

1 October 2007

Ohana Military Communities, LLC  
5173 Nimitz Road  
Honolulu, HI 96819

Re: Phase I Environmental Site Assessment Update  
Makalapa Naval Family Housing Property

To Ohana Military Communities, LLC:

We have conducted a Phase I Environmental Site Assessment Update ("Update") in accordance with the American Society of Testing and Materials' ("ASTM") Standard Practice E 1527-05 for the Makalapa Naval Family Housing Area (the "Site"). As part of this Update, we have, among other things, conducted visual inspections of the Site and adjoining properties, interviewed a knowledgeable representative of Ohana Military Communities, LLC and appropriate regulatory agency officials, obtained an updated electronic environmental reports database search report, and reviewed an updated environmental lien search commissioned by Ohana Military Communities, LLC. In addition, Ohana Military Communities, LLC, as User, has provided us with the information required by Section 6 of the ASTM Standard Practice E 1527-05 where applicable. Interviews of housing occupants were not conducted in accordance with Section 10.5.2.1. The following summarizes these activities:

- ◆ Visual inspections of the Site were conducted on 13 July 2007. Changes to the Site or the housing units were not observed. Renovation or demolition of existing housing units has not taken place. There were no changes to adjoining properties as observed during the visual inspections.
- ◆ The environmental database search conducted on 1 August 2007 reported no additional mapped sites to those identified in the previous database search report within the ASTM Standard Practice E 1527-05 minimum search distances. There are unmapped sites that have been identified in the environmental database search reports for this Update and for the September 2006 Phase 1 ESA. Listed sites are unmapped because address information is insufficient to ascertain their distance to the Site in accordance with the prescribed search distances. These sites are listed as follows:
  - HISTSITES – There are five facilities listed in the HISTSITES database. They are former battery sites (Battery Selfridge, Battery Hasebrouck, Battery Hawkins Annex, Battery Jackson) and the War Memorial Natatorium and are listed in the National Register of Historic Places. Designation as a historic site does not constitute a REC; therefore, these properties do not constitute Recognized Environmental Conditions ("RECs") to the Site.
  - FINDS – There are six facilities listed in the FINDS database. These facilities include PWC Makalapa, Tony Honda Pearlridge, Navy Montessori School, Hawaiian Electric Waiiau Generating Station, Fleet and Industrial Supply, and Integrated Media, Inc. Information on all these sites in the database is insufficient to determine status as a REC to the Site.
  - UST – The Fleet Intelligence Center Pacific has two permanently out of use tanks and two tanks that are currently in use. The Joint Intelligence Center Pacific has one tank that is currently in use. There are no ongoing environmental investigations/compliance actions at these facilities; therefore, these facilities do not constitute RECs to the Site.
  - LUST – There are four facilities listed in this database as follows:



- Fleet Intelligence Center Pacific – The release from a UST at this site has been “disconfirmed,” therefore, this facility does not constitute a REC to the Site.
- Pearl Auto Service Supply Inc. - Cleanup has been initiated and until cleanup is complete, this facility constitutes a REC to the Site.
- McGrew Point Area - According to the database search report, the release from the UST was “disconfirmed,” therefore, this property does not constitute a REC to the Site.
- Cutter Ford Inc. - Cleanup is complete at this location, therefore, this facility does not constitute a REC to the Site.
- HMIRS - A 5-gallon gasoline spill occurred on Kamehameha Hwy from a BHP Petroleum Refining tanker truck in 1996 due to a valve not being closed. There are no ongoing investigations/compliance actions at this location related to this release; therefore, this release does not constitute a REC to the Site.
- RCRA NLR – Tony Pearlridge Honda, Waste Management of Hawaii Inc and the US Navy Fleet and Industrial Supply are listed in this database. There are no ongoing investigations/compliance actions at these facilities; therefore, these facilities do not constitute RECs to the Site.
- CERCLIS – Pearl Harbor Makalapa Pesticide Pit. According to the database report, this facility had undergone a Preliminary Assessment and was later included as part of the Pearl Harbor Naval Complex Superfund site; therefore, the Pearl Harbor Makalapa Pesticide Pit constitutes a REC to the Site.
- RCRA GEN – Tony Honda Pearlridge, Chevron 93970, and the Moanalua Terrace Naval Housing Area are listed as conditionally exempt small quantity generators of hazardous waste. The PWC Makalapa Compound is listed as a large quantity generator with past (1998) enforcement actions. There are no ongoing investigations/compliance actions at these facilities; therefore, these facilities do not constitute RECs to the Site.
- TOWERS – Voicestream PCS III Corporation installed a communication tower in 2002. This does not constitute a REC to the Site.
- NFRAP – Hawaiian Electric Company Waiau Generating Station. There are no further remedial actions necessary at this property and this property is not proposed for listing in the National Priorities List; therefore, this property does not constitute a REC to the Site.
- ERNS – AIRCO was listed after several of its anhydrous ammonia cylinders were washed out to the ocean after a storm in 1990. Based on the date of occurrence of this release, this does not constitute a REC to the Site.
- ♦ (b) (6) of Ohana Military Communities, LLC was interviewed on 13 July 2007 regarding ongoing activities at the Site. According to (b) (6), there are no environmentally-related activities ongoing at the Site.
- ♦ A new chain of title for the Site, dated 1 August 2007 and commissioned by Ohana Military Communities, LLC was reviewed. There were no environmental liens found in the chain of title for the Site.
- ♦ The Hawaii Department of Health Office of Hazard Evaluation and Emergency Response (“HEER”) was contacted on 6 August 2007 for information regarding ongoing investigations/compliance actions related to the Site. (b) (6) of the HEER directed Parsons to contact the Navy’s Installation Restoration Program Manager, (b) (6). (b) (6) was contacted on 9 August 2007. In a follow-up communication received on 29 August 2007 at the direction of (b) (6), (b) (6) indicated that there are no changes to ongoing investigations in the general area of the Site.

Based upon the information obtained from the above mentioned activities and our review of the previous Phase I ESA, dated September 2006, we have concluded that the condition of the Makalapa Naval Family Housing Property has not changed since our previous Phase I ESA. With regard to previously identified RECs, those associated with the housing units (i.e., ACM, LBP, PCB ballasts, canec board, smoke detectors, light switches and lamps containing mercury) will remain as RECs until the housing units are demolished and replaced or renovated. Offsite RECs previously identified will also continue to be RECs for their potential for contaminant migration to the Site. Soil testing recommended in the September 2006 Phase 1 ESA has not been performed. The Site is slated for demolition and renovation. Ohana Military Communities, LLC should manage soil in accordance with the Pesticide Soil Management Plan. Additional sites identified by the environmental database search as listed above are either RECs or not RECs for the reasons stated above. It is recommended that environmental investigations at locations identified as RECs in the environmental database report be monitored for potential contaminant migration to the Makalapa Naval Family Housing Property. We have not identified any new RECs on the Makalapa Naval Family Housing Property.

All other aspects of our prior Phase I ESA for the Site, dated September 2006, were reviewed by Parsons, remain valid and in effect, and are hereby restated. A copy of that report is attached hereto and is hereby incorporated by reference.

In conclusion, we have performed a Phase I Environmental Site Assessment Update in conformance with the scope and limitations of ASTM Practice E 1527 of the Makalapa Naval Family Housing Property. This assessment has revealed no evidence of additional RECs in connection with the property, except those identified from results of the environmental database search.

This report was prepared for Ohana Military Communities, LLC, its Managing Member and other Members of Ohana Military Communities, LLC. It may be relied upon by Ohana Military Communities, LLC, its Managing Member and other Members of Ohana Military Communities, LLC, the United States of America, Department of the Navy, (b) (4)

, and each of their respective officers, directors, employees, affiliates, successors, assigns, legal counsel and advisors. The information and conclusions presented in this report are valid only for the circumstances of the Site as described as of the dates in this report.

Sincerely,

(b) (6)

**PARSONS**

Attachments:

Environmental Professional Statement and Signature  
Final Phase I Environmental Site Assessment – Makalapa Naval Family Housing, September 2006  
Database Search

## ENVIRONMENTAL PROFESSIONAL STATEMENT AND SIGNATURE

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of Title 40, Code of Federal Regulations (CFR), Part 312 dated 1 November 2005.

I have the specific qualifications based on education, training and experience to assess a property of the nature, history and setting of the Makalapa Naval Family Housing Property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR 312.

(b) (6)

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1 October 2007

(b) (6)

A small black rectangular redaction box covers the name. The text "(b) (6)" is printed in red at the top left corner of this box.

, P.E.



# ***FINAL PHASE 1 ENVIRONMENTAL SITE ASSESSMENT***

## ***MAKALAPA NAVAL FAMILY HOUSING AREA***

***Prepared for***



**Honolulu, Hawaii**

**September 2006**

***Prepared by***

**PARSONS**

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1132 BISHOP STREET, SUITE 2102 • HONOLULU • HAWAII 96813  
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## **ACRONYMS AND ABBREVIATIONS**

ACM	Asbestos-containing material
AIRS	Aerometric Information Retrieval System
AST	Above Ground Storage Tank
ASTM	American Society of Testing and Materials
AUL	Activity and Use Limitation
BA	Bachelor of Art
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation and Liability Information System
COMNAV	Commander Navy
COR	Corrective Action Report
EP	Environmental Professional
ERNS	Emergency Response Notification System
°F	Degrees Fahrenheit
FAA	Federal Aviation Administration
FCC	Federal Communication Commission
FINDS	Facility Index System
FOS	Finding of Suitability
FRS	Facility Registry System
FTTS	FIFRA/TSCA Tracking System
GEN	Generator
HDOH	Hawaii Department of Health
HMIRS	Hazardous Materials Incident Response System
HUD	United States Department of Housing and Urban Development
kg	Kilograms
km	Kilometer
LBP	Lead-based paint
lbs	Pounds
LQG	Large Quantity Generator
LUST	Leaking underground storage tank
m	Meter
MS	Master of Science
µg/ft <sup>2</sup>	Micrograms per Square Foot
NAVFAC PAC	Naval Facilities Engineering Command Pacific Division

***PHASE I ENVIRONMENTAL SITE ASSESSMENT  
MAKALAPA NAVAL FAMILY HOUSING AREA  
PEARL HARBOR AREA OF O'AHU, HAWAII***

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NCDB	National Compliance Data Base System
NESHAPS	National Emission Standards for Hazardous Air Pollutants
NFRAP	No Further Remedial Action Planned
NLR	No Longer Report
NOI	Notice of Intent
NOV	Notice of Violation
NPDES	National Pollutant Discharge Elimination System
NPL	National Priorities List
NWI	National Wetlands Inventory
PCB	Polychlorinated biphenyl
pCi/L	picoCuries per liter
PE	Professional Engineer
ppm	Parts per million
RADINFO	Nuclear Regulatory Commission Database of Permitted Nuclear Facilities
REC	Recognized Environmental Condition
RCRA	Resource Conservation and Recovery Act
SQG	Small Quantity Generator
SSTS	Section Seven Tracking System
TCLP	Toxic Characteristic Leaching Procedure
TIGER	Topologically Integrated Geographic Encoding and Referencing System
TIS	Track Info Services, LLC
TRIS	Toxic Release Inventory System
TSCA	Toxic Substances Control Act
TSD	Treatment, Storage, and/or Disposal
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
UST	Underground storage tank
WRCC	Western Regional Climate Center Web Page ( <a href="http://www.wrcc.dri.edu/">http://www.wrcc.dri.edu/</a> )

## **1.0 SUMMARY**

Parsons conducted a Phase I Environmental Site Assessment in conformance with the American Society of Testing and Materials (ASTM) Standard Practice E 1527-05 for the following site:

- The Makalapa Naval Family Housing Area, located in the Pearl Harbor Area of O'ahu, Hawaii

The site is 47.387 acres. Exhibit 1, Site Map, presents the general location of the site. A complete legal description and detailed view of the site is presented on Exhibit 2, Site Survey Map.

The site is located in the Pearl Harbor area of O'ahu, between the H-1 Freeway and the Kamehameha Highway, approximately seven miles from downtown Honolulu. The site consists of 107 housing units for Navy Senior Officers and their family. There is no open access to the site; it is located within a secure area of the Pearl Harbor Navy Reservation. The housing units included a mixture of two-story single-unit or duplex homes. The site consists of 88 buildings, of which 69 are single family homes, and 19 are duplexes. The units were built in 1941. The square footage of the units ranges from 1,350 to 3,500 square feet. The units have 2 to 4 bedrooms with 1.5 to 3 bathrooms. Twenty-four units were renovated in 2000, and 25 were renovated in 2001. There are 107 historic homes (Ohana, 2006). Nine units were available for inspection.

Ohana Military Communities, LLC will be the lessee of the site and will be the owner of 107 improvements, of which 89 will be renovated and 18 will be demolished.

The first story of some two-story buildings is of brick construction, while the second story is of wood construction. Some two-story units are constructed entirely of wood. Roofing material includes a wood base covered with asphalt shingles. Most units feature covered back or side porches of wood construction with mineral roll roofing and painted metal support poles. Detached carports are constructed of a combination of concrete and wood support walls, painted metal support poles and wood roofs with mineral roll roofing.

Available information for the site and surroundings was collected and evaluated to identify Recognized Environmental Conditions. According to the American Society for Testing and Materials (ASTM) Standard Practice E 1527-05, the term Recognized Environmental Conditions (RECs) means "the presence or likely presence of hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property."

Based on the definition of a REC in the ASTM Standard Practice E 1527-05, the following RECs have been identified for the site:

- During the site reconnaissance, suspect ACMs were noted in the following building materials: roof tar, sink undercoating, drywall joint compound, and in the mastic for carpet, tiling, sheet vinyl, and rubber baseboards. Additionally, some units appear to have 9" x 9" vinyl floor tiles, a known ACM, beneath 12" x 12" vinyl floor tiles. According to an asbestos assessment prepared by the Department of the Navy Public Works Center, ACM is present in floor tile. ACM was assumed present in roofing material, transite board, mineral roll, pipe insulation, and electrical wire insulation. It is recommended that the presence of ACM be disclosed to prospective tenants. It is also recommended that during demolition activities, the ACM Management Plan be followed.
- According to a lead assessment performed in 1997 and 2006, lead was identified in paint, interior dust, and soils at the site in levels exceeding the current action limits. It is recommended that the presence of LBP be disclosed to prospective tenants. Also, it is recommended that the LBP Management Plan be followed during demolition activities. It is recommended that LBP waste be tested for TCLP prior to disposal.
- During the site reconnaissance, fluorescent lighting that may contain PCB-containing ballasts was observed in various locations of the property. Older exterior and interior light fixtures were observed, notably in carport areas. It is recommended that potential PCB-containing ballasts are properly managed, during renovation/demolition.
- Due to the historic use of chlordane as a termiticide in homes, chlordane may exist in the soil near the foundation and under the building slabs. Surface and near-surface soil sampling for chlordane and other pesticides, including DDT, dieldrin, and heptachlor, is recommended.
- Based on observation during the site reconnaissance, canec board may comprise the interior walls and ceilings of some housing units. Canec may contain arsenic at levels requiring handling and disposal as a hazardous waste. It is recommended that interior walls and ceilings that are suspected to be canec board be sampled for total arsenic using toxic characteristic leaching procedure (TCLP) to determine proper handling and disposal requirements.
- Smoke detectors in older units have the potential to contain a radioactive source. Prior to renovation/demolition, smoke detectors should be inspected for a radioactive source, and handled and disposed of properly.

- Light switches and lamps in older units have the potential to contain mercury. During renovation/demolition, these switches and lamps should be removed and disposed of properly.
- Buildings 255 and 259 are located east of the site and within the administration area adjacent to Makalapa Crater. Both buildings reportedly were used for motor pool storage and stored oil, grease, diesel fuel, antifreeze, degreasers and solvents for vehicle maintenance. According to interviews conducted during the preparation of the Naval Housing Site Summary Report, floor drains were used for disposal of motor pool fluids. The Site Summary Report recommended that investigations be conducted to determine if there are subsurface environmental impacts. These locations are considered RECs to the site.
- The Site Summary Report Makalapa Crater Geographic Study Area identifies sites within the Crater with potential environmental impacts. Sampling has been conducted at specific sites within the Crater, including at the Clean Fill Area, Early Disposal Area, Former Pesticide Rinsate Area, the Landfill Area and at Transformer M-13. The sampling data indicates elevated levels of metals (arsenic, beryllium, lead, and mercury), gasoline and diesel in soil within the Crater area. Additional sampling is recommended and planned. Since no data is available to determine whether or not these contaminants have migrated to the site, this constitutes a REC for the site.

A Phase I Environmental Site Assessment does not include any sampling and analysis of potentially contaminated materials. The scope of work of this Phase I Environmental Site Assessment did not specifically include sampling and analysis, therefore no independent soil or groundwater or other sampling and analyses were conducted.

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## **2.0 INTRODUCTION**

### **2.1 PURPOSE**

Parsons conducted a Phase I Environmental Site Assessment in conformance with the ASTM Standard Practice E 1527-05 for the purpose of identifying RECs at the following site:

- The Makalapa Naval Family Housing Area, located in the Pearl Harbor Area of O'ahu, Hawaii

The site is 47.387 acres. A complete legal description and detailed view of the site is presented on Exhibit 2, Site Survey Map.

Exhibit 3 provides the approximate location of the site on a United States Geological Survey (USGS) topographic map.

The term REC, as defined in ASTM Standard Practice E 1527-05, means the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with applicable laws. The term is not intended to include *de minimis* conditions that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

### **2.2 PHASE I TASKS**

Parsons performed the following tasks:

#### **2.2.1 Records review**

Available current and historical documents pertinent to environmental activities conducted in or near the site were reviewed. Topics of interest include chemical usage or inventories, waste management records, Resource Conservation and Recovery Act (RCRA) or Comprehensive Environmental Response Compensation and Liability Act (CERCLA) activities.

#### **2.2.2 Site reconnaissance and Interviews**

Site reconnaissance of the site to visually and physically observe and document conditions on the property was performed. Nine units were available for interior

inspection. Interviews were conducted in keeping with the requirements of ASTM Standard Practice E 1527-05, § 7.1 – 7.2.

### **2.2.3 File search and records review**

A search of federal, state, and local regulatory agency electronic databases was performed. This database search identifies locations that are regulated under various environmental laws, notably CERCLA, RCRA, and Toxic Substances Control Act (TSCA). It also identifies locations where a release of hazardous substances has occurred or is suspected.

### **2.2.4 Historical records review**

Available historical aerial photographs were reviewed to confirm that a historic use information review was conducted to identify all obvious uses from the present back to the first developed use or 1940, whichever is earlier.

### **2.2.5 Evaluate data and prepare report**

Significant findings from the above-stated tasks were summarized, RECs were identified, and recommendations were made for additional site assessment activities, if needed.

## **2.3 SPECIAL TERMS AND CONDITIONS**

- The information and conclusions presented in this report are valid only for the circumstances of the site investigated as described as of the dates in this report.
- Parsons evaluated the reasonableness and completeness of available relevant information, but does not assume responsibility for the truth or accuracy of any information provided to Parsons by others or for the lack of information that is intentionally, unintentionally, or negligently withheld from Parsons by others.
- After acceptance of this report, if Parsons obtains information that it believes warrants further exploration and development, Parsons will endeavor to provide that information, but Parsons will not be liable for not doing so.

## **2.4 LIMITATIONS AND EXCEPTIONS OF ASSESSMENT**

To achieve the study objectives stated in this report, Parsons based its conclusions on the best information available during the period of the investigation and within the limits prescribed by the ASTM Standard.



No investigative method can completely eliminate the possibility of obtaining partially imprecise or incomplete information. Professional judgment was exercised in gathering and evaluating the information obtained, and Parsons commits itself to the usual care, thoroughness, and competence of the engineering profession.

## **2.5 LIMITING CONDITIONS AND METHODOLOGY USED**

The Phase I Environmental Site Assessment investigations were completed in accordance with the ASTM Standard Practice E 1527-05.

## **2.6 USER RELIANCE**

This report was prepared for Ohana Military Communities, LLC, its Managing Member and other Members of Ohana Military Communities, LLC. It may be relied upon by Ohana Military Communities, LLC, its Managing Member and other Members of Ohana Military Communities, LLC, the United States of America, Department of the Navy, (b) (4)

, and each of their respective officers, directors, employees, affiliates, successors, assigns, legal counsel and advisors.

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### **3.0 SITE DESCRIPTION**

#### **3.1 LOCATION AND LEGAL DESCRIPTION OF PROPERTY**

The Makalapa Naval Family Housing Area, is located at Latitude (North) 21.361223, Longitude (West) 157.93776. The site is located in the Pearl Harbor area of O'ahu, between the H-1 Freeway and the Kamehameha Highway, approximately seven miles from downtown Honolulu. Exhibit 2 provides a legal description of the property and a site survey map.

Ohana Military Communities, LLC will be the lessee of the site and will be the owner of 109 improvements, of which 89 will be renovated and 18 will be demolished.

#### **3.2 SITE AND VICINITY CHARACTERISTICS**

Table 3-1 provides a description of the properties directly adjacent to the site.

**Table 3-1  
Adjacent Properties**

<b>Direction</b>	<b>Description of Adjacent Properties</b>
North	There is some military use to the north of the site. The Halawa Stream is just north of the site.
East	Undeveloped land and military use is located to the east of the site.
South	Undeveloped land and military use is located to the south of the site.
West	The Kamehameha Highway (Route 99) is located along the west boundary of the site. Military use and residential use is located on the west side of Kamehameha Highway.

#### **3.3 DESCRIPTIONS OF STRUCTURES, ROADS, OTHER IMPROVEMENTS ON THE SITE**

The housing units included a mixture of two-story single-unit or duplex homes. The site consists of 88 buildings, of which 69 are single family homes, and 19 are duplexes. The units were built in 1941. The square footage of the units ranges from 1,350 to 3,500 square feet. The units have 2 to 4 bedrooms with 1.5 to 3 bathrooms. Twenty-four units were renovated in 2000, and 25 were renovated in 2001. There are 107 historic homes (Ohana, 2006). The site consists of 107 housing units for Navy Senior Officers and their families. Nine units were available for inspection.

Vehicle access to the housing units is via asphalt-paved streets. Typical landscaping bordering the housing units includes grass and trees.

The first story of some two-story buildings is of brick construction, while the second story is of wood construction. Some two-story units are constructed entirely of wood. Roofing material includes a wood base covered with asphalt shingles. Most units feature covered back or side porches of wood construction with mineral roll roofing and painted metal support poles. Detached carports are constructed of a combination of concrete and wood support walls, painted metal support poles and wood roofs with mineral roll roofing.

### **3.4 INFORMATION REPORTED BY USER REGARDING ENVIRONMENTAL LIENS OR SPECIALIZED KNOWLEDGE OR EXPERIENCE**

#### **3.4.1 Title Records**

The site is currently owned by the Federal government and managed by the Department of Defense. Declaration of taking by the United States government for military use was made on October 10, 1939.

#### **3.4.2 Environmental Liens**

A chain of title was obtained for the site. No information regarding environmental liens was found against the site.

#### **3.4.3 Specialized Knowledge or Experience**

Other than the information provided by the Department of the Navy contained herein, no specialized knowledge or experience was reported or discovered for the site.

#### **3.4.4 Commonly Known or Reasonably Ascertainable Information**

Other than the information provided by the Department of the Navy contained herein, no information was reported concerning commonly known or reasonably ascertainable information.

#### **3.4.5 Valuation Reduction for Environmental Issues**

No information was reported by Ohana Military Communities, LLC concerning valuation reduction for environmental issues.

#### **3.4.6 Owner, Property Manager, and Occupant Information**

Other than the information provided by the Department of the Navy contained herein, no information was reported concerning the owner, property manager, and occupants.

### **3.4.7 Reason for Performing Phase I**

Ohana Military Communities, LLC is entering into a real estate transaction with the United States Navy. This Phase I is performed to allow Ohana Military Communities, LLC, consistent with good commercial and customary practice, to satisfy the all appropriate inquiry into the previous ownership and use of the property.

### **3.4.8 Other**

***No other information of environmental interest was provided by Ohana Military Communities, LLC.***

## **3.5 CURRENT USES OF THE PROPERTY**

The site consists of 107 housing units for Navy Senior Officers and their family.

## **3.6 PAST USES OF THE PROPERTY**

Historical uses of the property were evaluated through review of databases searched by Track Info Services, LLC (TIS) and presented in an Environmental FirstSearch™ Report. The housing units were constructed in 1941. As presented in the 1950, 1964, 1974, 1985, 1994 and 2003 aerial photos (Section 4.4.1), the site has had residential housing on it since 1950. There were no historical records available prior to 1941.

## **3.7 CURRENT AND PAST USES OF THE ADJOINING PROPERTIES**

Table 3-1 in Section 3.2, *Site and Vicinity Characteristics*, provides a description of the current uses of the adjoining properties. Historical aerial photographs indicate that the adjoining properties to the north and east were primarily used for residential and military purposes. Adjoining properties to the south and west were primarily used for military purposes.

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## **4.0 RECORDS REVIEW**

This section presents information concerning the site and the surroundings from various recorded sources. Electronic databases representing standard environmental record sources and physical setting sources were reviewed. Information pertinent to the site is summarized in this section.

### **4.1 STANDARD ENVIRONMENTAL RECORD SOURCES, FEDERAL AND STATE**

Parsons has retained the services of an environmental database company to search applicable regulatory agency lists and standard environmental record sources to identify locations of potential concern within the ASTM Standard Practice E 1527-05 (Standard) minimum search distances. The following summarizes the environmental database report, dated February 11, 2006. Appendix A presents the complete environmental data report. The report includes maps indicating the search distance of 0.125, 0.25, 0.5, and 1 mile (0.2, 0.4, 0.8, and 1.6 kilometers [km]) from the center of the site, which include the ASTM database required search distances of zero, 0.125, 0.25, 0.5, and 1 mile (zero, 0.2, 0.4, 0.8, and 1.6 km).

The following subsections summarize sites listed within the respective database search distances. A search of the respective environmental databases identified 25 sites within the ASTM-prescribed minimum search distances. The 27 remaining sites were not mapped by Environmental FirstSearch™ due to poor or inadequate location information. Exhibit 4 presents the location of the mapped sites relative to the site.

#### **4.1.1 Federal ASTM Records**

##### **National Priorities List**

The National Priorities List (NPL) listing, also known as the Superfund list, is a subset of the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) database. The NPL database identifies over 1,200 sites nationwide for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As a result, the environmental database company provides coverage for over 1,000 NPL site boundaries produced by the United States Environmental Protection Agency (USEPA) Environmental Photographic Interpretation Center.

Currently, there are no listed NPL sites located within the 1-mile (1.6-km) search distance from the site.

### **Comprehensive Environmental Response, Compensation, and Liability Information System**

The CERCLIS database contains data on potentially hazardous waste sites that have been reported to USEPA by states, municipalities, private companies, and private persons. Notification to USEPA is pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). The CERCLIS database contains sites that are either proposed to be on or on the NPL, and sites that are in the screening and assessment phase for possible inclusion on the NPL.

Currently, there are no listed CERCLIS sites located within the 0.5-mile (0.8-km) search distance from the site.

### **CERCLIS – No Further Remedial Action Planned**

Beginning in February 1995, CERCLIS sites designated No Further Remedial Action Planned (NFRAP) have been removed from the CERCLIS database. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action of NPL consideration. USEPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived these as historical records so that USEPA does not needlessly repeat the investigations in the future.

Currently, there are no listed CERCLIS-NFRAP sites located within the 0.5-mile (0.8-km) search distance from the site.

### **Resource Conservation and Recovery Act / Corrective Action Report**

The Corrective Action Report (RCRA COR) database identifies hazardous waste handlers with RCRA action activity. The database shows which nationally defined corrective action core events have occurred for every handler that has currently or previously had corrective action activity.

Currently, there is one listed RCRA COR sites within the 1-mile (1.6-km) search distance from the site. This COR site is the Pearl Harbor Shipyard and Maintenance Facility. Nine violations are recorded. The initial violation occurred in 1985 and the last violation occurred in 1995. All of the violations were administrative in nature. No environmental concerns were reported. This site does not constitute a REC to the site.



### **Resource Conservation and Recovery Act information System/Treatment, Storage, and/or Disposal**

The Resource Conservation and Recovery Act Information System/ Treatment, Storage and/or Disposal (RCRA TSD) database list identifies those facilities or locations that have notified USEPA of their activities relative to their onsite treatment, storage, and/or disposal of hazardous wastes. A listed site does not necessarily indicate environmental problems at the site but rather that the site is (or was) engaged in hazardous waste activities; therefore, it may have the potential to cause environmental degradation if hazardous wastes have been mishandled or otherwise released in an uncontrolled manner.

Currently, there are no RCRA TSD sites within the 0.5-mile (0.8-km) search distance from the site.

### **Resource Conservation and Recovery Act / Quantity Generators**

The Resource Conservation and Recovery Act Information System Sites / Quantity Generators (RCRA GEN) is a database of facilities that generate or transport hazardous waste or meet other RCRA requirements. Two categories of RCRA GEN are usually considered. Large Quantity Generators (LQGs) list identifies those facilities or locations that have notified USEPA that they generate (or have generated) at least 2,200 lbs (998 kg) of non-acutely hazardous wastes and/or 2.2 lbs (1 kg) of acutely hazardous waste, monthly. Small Quantity Generators (SQGs) list identifies those facilities or locations that have notified USEPA that they generate (or have generated) less than 2,200 lbs (998 kg) of non-acutely hazardous wastes and/or 2.2 lbs (1 kg) of acutely hazardous waste, monthly. A listed site does not necessarily indicate environmental problems on the site, but rather that the site is (or was) engaged in hazardous waste activities; therefore, it may have the potential to cause environmental degradation if hazardous wastes have been mishandled or otherwise released in an uncontrolled manner.

Currently, there is one listed RCRA GEN site within the 0.25-mile (0.4 km) search distance from the site. This site is a small quantity generator located approximately one block southeast of the site. Designation as a small quantity generator is not an indication of an environmental discharge, violation or concern. It is simply a recording that a local off-site business generates small quantities of hazardous waste and is managing this waste in compliance with local, state and federal laws. During the course of the site reconnaissance, the EP did not observe any environmental related impacts as a result of this site. This site does not constitute a REC to the site.

### **Resource Conservation and Recovery Act / No Longer Report**

The Resource Conservation and Recovery Act Information Sites / No Longer Report (RCRA NLR) is a database of facilities not currently classified by the USEPA but is still included in the RCRIS database. The reasons for non classification are: (1) Failure to report in a timely matter; (2) No longer in business at the listed address, and/or (3) No longer generating hazardous waste materials in quantities which require reporting.

Currently, there are no listed RCRA NLR sites within the 0.12-mile (0.2 km) search distance from the site.

### **Emergency Response Notification System**

The Emergency Response Notification System (ERNS) is a USEPA national computer database system that is used to store information on the sudden and/or accidental release of hazardous substances, including petroleum, into the environment. The ERNS reporting system contains preliminary information on specific releases, including the spill location, the substance released, and the responsible party. The ERNS report only includes releases from 1988 to the most recent quarterly update.

Currently, there are no ERNS sites within the 0.12-mile (0.2 km) search distance from the site.

### **National Pollutant Discharge Elimination System**

The National Pollutant Discharge Elimination System (NPDES) is a database of permitted facilities receiving and discharging effluents to and from a natural source where treatment of the effluent is monitored.

Currently, there are no NPDES sites with the 0.25-mile (0.4 km) search distance from the site.

### **Facility Index System**

The Facility Index System (FINDS) is a database maintained by USEPA/National Technical Information Service that contains both facility information and "pointers" to other sources or more detailed information. The FINDS is the index of identification numbers associated with a property or facility which the USEPA has investigated or has been made aware of in conjunction with various regulatory programs. Each record indicates the USEPA office that may have files on the site or facility. A Facility Registry System (FRS) site has an FRS in the status field.

Currently, there is one FINDS site within the 0.25-mile (0.4-km) search distance from the site. This site is operated by 3M Corporation and is located approximately 0.125-miles from the site. This FINDS site is not cross-referenced in any of the other databases. Therefore, no environmentally related issues have been reported for this site. This site does not constitute a REC to the site

### **Toxic Release Inventory System**

The Toxic Release Inventory System (TRIS) is a USEPA database that identifies all facilities that have had or may be prone to toxic material releases.

Currently, there are no TRIS sites within the 0.25-mile (0.4-km) search distance from the site.

### **Wetlands**

The US Fish and Wildlife Service maintains a National Wetlands Inventory (NWI) database of information summarizing characteristics, extent, and status of the Nation's wetlands and deepwater habitats. This database is available for select areas of the United States.

Currently, there are three wetlands within the 0.5-mile (0.8-km) search distance from the site. Designation as a wetland is not an indication of an environmental discharge, violation or concern. These wetlands do not constitute a REC for the site.

### **Floodplains**

The Floodplains is a database maintained by the Federal Emergency Management Agency which summarizes 100 year and 500 year floodplain boundaries for select counties in the United States.

Currently, there are no Floodplain sites within the 0.5-mile (0.8-km) search distance from the site.

### **Receptors**

The sensitive receptors are listed by the 2002 Census Bureau's TIGER (Topologically Integrated Geographic Encoding and Referencing System), from the US Department of Commerce. This database summarizes all schools and hospitals that may house individuals deemed sensitive to environmental discharges due to their fragile immune systems.

Currently, there are no receptors listed within the 0.12-mile (0.2-km) search distance from the site.

### **Nuclear Permits**

The Nuclear Regulatory Commission of the USEPA maintains a database of permitted nuclear facilities (RADINFO). This database provides basic information about facilities that are permitted and regulated for their use and handling of radioactive materials.

Currently, there is no Nuclear Permit on record within the 0.5-mile (0.8-km) search distance from the site.

#### **4.1.2 State of Hawaii ASTM Records**

##### **Underground Storage Tanks**

The Underground Storage Tanks (REG UST/AST) is a database identifying underground and aboveground storage tanks in the state of Hawaii. This database is maintained by the HDOH.

Currently, there is one REG UST/AST sites listed within the 0.25-mile (0.4-km) search distance from the site. This site is a gas station, located approximately 2 blocks southeast of the site. All tanks are currently in use and are of fiberglass construction. No environmental releases have been reported for this site; therefore, this site does not constitute a REC to the site.

##### **Leaking Underground Storage Tanks**

The Leaking Underground Storage Tanks (LUST) is a database identifying underground and aboveground storage tanks that have been leaking, and is maintained by the HDOH.

Currently, there are two LUST sites within the 0.5-mile (0.8-km) search distance from the site. The status of both sites is recorded as cleanup completed. Currently, there are no groundwater monitoring wells within the Makalapa neighborhood, indicating that plumes from these six active sites have not migrated beneath the site. These LUST sites are not RECs to the site.

#### **4.1.3 Non-ASTM Supplemental Records**

##### **Historic/Landmark**

The National Park Service maintains a National Registry of Historic Places database. This database contains the Nation's official list of cultural resources worthy of preservation. Properties listed include districts, sites, buildings, structures, and objects that are significant in American history, architectures, archeology, engineering, and culture.

Currently, there are no Historic/Landmark sites within the 0.5-mile (0.8-km) search distance from the site.

##### **Federal Land Use**

The Federal Lands of the United States is a database of lands owned or administered by the Federal Government, including the Bureau of Land Management, the Bureau of Reclamation, the US Department of Agriculture Forest Service, the Department of Defense, the US Fish and Wildlife Service, the Tennessee Valley Authority, and other agencies. Only areas of 640 acres or more are included in this listing. The database provides descriptive information that includes name and type of the Federal land and the administering agency. Indian Lands of the United States is a database of areas administered by the Bureau of Indian Affairs and exceeding 640 acres in size. This database includes Federally-administered lands within a reservation which may or may not be considered part of the reservation. Endangered Species Protection Program is a database that provides a list of the Endangered Species by county and the species status.

The site is considered a Federal Land Use site. The Ford Island Naval Station Annex nearby is a Federal Land Use site. Because designation as a Federal Land Use site simply indicates that the Federal Government owns and/or operates the land, these sites do not constitute a REC to the site.

##### **Federal Wells**

The US Geological Survey maintains a database of more than 850,000 records of wells, springs, test holes, tunnels, drains, and excavations in the United States. This database is an inventory of the United States Groundwater Sites.

Currently, there are 10 Federal Wells sites within the 0.5-mile (0.8-mile) search distance from the site. All wells are currently recorded as inactive. These are historic potable

water production wells that do not impact the site. Thus, these sites do not constitute a REC to the site.

### **Releases (Air/Water)**

The USEPA has a list of Air and Surface Water Releases. This list is a subset of the ERNS-National Response System database detailing sites that have impacted only the air or surface water.

Currently, there are no Releases (Air/Water) sites within the 0.12-mile (0.2-km) search distance from the site.

### **Hazardous Materials Incident Response System**

The Hazardous Materials Incident Response System (HMIRS) is a database of information regarding materials, packaging, and a description of events for tracked incidents.

Currently, there are no HMIRS sites within the 0.12-mile (0.2-km) search distance from the site.

### **National Compliance Data Base System**

The National Compliance Data Base System (NCDB) is a database of regional compliance and enforcement activity and manages the Pesticides and Toxic Substances compliance and Enforcement program at a national level. The system tracks all compliance monitoring and enforcement activities from the time an inspector conducts an inspection until the time the inspector closes the case or settles the enforcement action. NCDB is the national repository of the 10 regional and Headquarters FIFRA/TSCA Tracking System (FTTS). Data collected in the regional FTTS is transferred to NCDB to support the need for monitoring national performance of regional programs.

Currently, there is one NCDB site within the 0.25-mile (0.4-km) search distance from the site. This site is the Navy Montessori School. The AHERA-related inspection was conducted in 1991. No environmental concerns are related to this site. This site does not constitute a REC to the site.

## **PADS**

The USEPA maintains a database of PCB handlers. This database includes PCB generators, transporters, storers and/or disposers that are required to register with the USEPA. This database indicates the type of handler and registration number. Also included is the PCB Transformer Registration Database.

Currently, there are no PADS sites within the 0.25-mile (0.4-km) search distance from the site.

## **Federal Other**

Section Seven Tracking System (SSTS) within the USEPA maintains a database of registration and production data for facilities which manufacture pesticides. Aerometric Information Retrieval System (AIRS) is another database of detailed information pertaining to sites which submit air emissions reports. Developed under the Clean Air Act, this database also maintains data on compliance status and enforcement actions.

Currently, there is no Federal Other site within the 0.25-mile (0.4-km) search distance from the site.

## **Towers**

Towers is a database that encompasses three sources of information from the Federal Aviation Administration (FAA) and the Federal Communication Commission (FCC). FAA data includes the Digital Obstacle File which contains obstruction data for man made objects that affect domestic aeronautical charting products. FCC data includes the Wireless Telecommunication Bureau's Universal Licensing System which contains the Antenna Structure Database and the Cellular Tower Database. FCC data also includes the Mass Media Bureau's Consolidated database System which includes engineering data for AM, FM, and Television broadcasting stations.

Currently, there are three Towers within the 0.25-mile (0.4-km) search distance from the site. Two are for cell phone transmission. Designation as a Tower is not an indication of an environmental discharge, violation or concern. During the course of the site reconnaissance, the EP did not observe any environmental related impacts as a result of these Tower sites. These sites do not constitute a REC to the site.

## **Radon**

The USEPA collected radon data from the 1990-1991 national radon project. This project collected data for a variety of zip codes across the United States. The radon data listed here is based on the radon data collected for this site's zip code.

The database report indicates the presence of radon in the area in concentrations between 1.2 and 4.8 picoCuries/liter (pCi/L). These concentrations are above the screening levels for Zones 1 and 2 and were based on national radon data collected for various zip codes. Although, these values exceed the screening levels for Zone 1 and Zone 2, radon information for the Hawaiian Islands indicates that the USEPA has categorized Hawaii as Zone 3 for radon. A Zone 3 classification is for areas with indoor average radon levels of less than to 2 pCi/L. This is below the USEPA radon recommended action level (RAL) of 4 pCi/L.

## **4.2 ENVIRONMENTAL AGENCY RECORDS**

Findings from the environmental database review did not reveal any RECs resulting in the need for further review of agency records.

## **4.3 NAVY RECORDS AND DOCUMENTS**

### ***4.3.1 Environmental Baseline Survey and the Site Summary Report***

Application of waste oil as a dust suppressant along the road ways within the vicinity of the site may have occurred, potentially resulting in a pre-existing condition. This was reported to have been a common practice at other military installations (DON, 2006). Since no documentation can be found to support that this practice occurred at Makalapa, it is the opinion of the EP that this does not constitute a REC for the site.

The EBS reports that during a site reconnaissance, a plastic grey storage unit located on-site was labeled "Lead Control Area". No release or disposal of this material was observed and the storage quantity was less than 1,000 kilograms. The EBS reports that there is no concern for the site and notification is not required. According to Navy representatives, the Lead Control Area serves as bins for accumulating building components containing LBP that have been removed until they can be disposed at a landfill. Since these LBP materials are being properly managed, they are not a REC.

The Makalapa Crater is located east of the site and consists of approximately 100 acres. The Crater area contained a lake prior to the 1950s. After the 1950s, the central and southern portion of the crater area was used for disposal of materials from clean-up operations and damaged equipment, such as metal scraps, engine parts, empty ammunition casings, airplane parts and ship parts. Other wastes disposed in the area include wastes from base dumpsters and clean fill. The northern portion of the crater area consists of bachelor officers' quarters, recreational facilities and a nursery school. The Site Summary Report Makalapa Crater Geographic Study Area identifies sites within the Crater with potential environmental impacts. Sampling has been conducted at specific sites within the Crater, including at the Clean Fill Area, Early Disposal Area, Former Pesticide Rinsate Area, the Landfill Area and at Transformer M-13. The



sampling data indicates elevated levels of metals (arsenic, beryllium, lead, and mercury), gasoline and diesel in soil within the Crater area. This data indicates that there are no health impacts from exposure to contaminants within the Crater area. However, additional sampling is recommended and planned. Since no data is available to determine whether or not these contaminants have migrated to the site, this constitutes a REC for the site.

Buildings 255 and 259 are located east of the site and within the administration area adjacent to Makalapa Crater. Both buildings reportedly were used for motor pool storage and stored oil, grease, diesel fuel, antifreeze, degreasers and solvents for vehicle maintenance. According to interviews conducted during the preparation of the Naval Housing Site Summary Report, floor drains were used for disposal of motor pool fluids. The Site Summary Report recommended that investigations be conducted to determine if there are subsurface environmental impacts. These locations are considered RECs to the site.

Transformer M-2 requires additional investigation due to local PCB detections. This transformer is located off-site and since PCBs do not migrate, this does not constitute a REC for the site.

According to the EBS, 37 Halawa Drive had yellow caution tape (Do Not Enter) surrounding the housing structure. A sign was posted at the front door which read "Danger Inorganic Arsenic Hazard Authorized Personnel Only No Smoking or Eating Respirator Required." This was posted during a temporary renovation activity. Canec board, a particle board made from sugarcane bagasse (fibrous residue after sugar is extracted from sugarcane), was manufactured in sheets similar in size to gypsum board and treated with calcium arsenate and arsenic acid to prevent termite and other insect infestation. Canec board has already been identified as a REC for the site.

According to the EBS, 7A Samoa Place had a sign posted which read "Caution Asbestos". This temporary renovation activity was determined to be a finding of no concern. An asbestos assessment was performed for this housing area and ACM has already been determined to be a REC for the site.

#### ***4.3.2 Integrated Natural Resources Management Plan***

The Pearl Harbor Integrated Natural Resources Management Plan (DoN 2001) served as a reference for endangered species data in the Pearl Harbor area. The shoreline, estuarine and freshwater areas of Pearl Harbor are known habitat for four endemic and endangered waterbirds: the (Hawaiian) Black-necked Stilt (*Himantopus mexicanus*) or ae'o; Common Moorhen (*Gallinula chloropus sandvicensis*) or 'alae 'ula; Hawaiian Coot (*Fulica alai*) or 'alae ke 'oke 'o and Hawaiian Duck (*Anas wyvilliana*) or Koloa. Of these four species, stilt are the most common in Pearl Harbor and occur in far greater numbers

than all other endangered waterbirds combined. Populations of all the endangered waterbirds have declined due to the loss of wetland habitats and the introduction of predators, such as dogs, cats and mongoose.

Two additional species of birds, listed as threatened or endangered species by the State of Hawaii but not the federal government are occasionally found in the Pearl Harbor vicinity. They are the state-threatened white term (*Gygis alba rothschildi*) or manu o ku, a diminutive arboreal-nesting seabird, and the state-endangered Hawaiian or Short-eared Owl (*Asio flammeus sandwichensis*) or pueo.

Two turtle and two marine mammal species that occur in Hawaiian waters have been declared federally threatened or endangered. The threatened green sea turtle (*Chelonia mydas*) or honu commonly occurs in the nearshore areas of Hawaii. The green sea turtle has rarely been observed in the harbor and no nesting in the harbor has been reported. The endangered hawksbill turtle (*Eretmochelys imbricate*) or honu 'ea is found infrequently in Hawaiian waters, and there are no recorded sightings of the hawksbill turtle within Pearl Harbor.

The Hawaiian monk seal (*Monachus schauinslandi*) or 'ilio holo i a uana has been observed sporadically in the main Hawaiian Islands. Though they have never been reported in the harbor, the Hawaiian monk seal has been recorded at Iroquois Point, the Pearl Harbor entrance channel.

Populations of the endangered humpback whale (*Megaptera novaeangliae*) are known to winter in the Hawaiian Islands from December to April.

#### **4.3.3 Asbestos Management Plans**

According to an asbestos assessment prepared by the Department of the Navy Public Works Center for the site, ACM is present in floor tile. ACM was assumed present in roofing material, transite board, mineral roll, pipe insulation, and electrical wire insulation. This constitutes a REC for the site.

#### **4.3.4 Lead-Based Paint Management Plans**

A lead assessment for the site was completed in August 1997. The assessment identified presence and levels for lead in paint, interior dust, and soil (Navy Public Works Center, 1997). The assessment identified presence of LBP in levels exceeding the current HUD/USEPA Guidance action limit of 1.0 mg/cm<sup>2</sup> in the following components: baseboards, beams, benches, bench seats, cabinets, closet ceilings, tri-fold closet doors, closet shelves, columns, doors, door jambs, door moldings, screen doors, utility doors, downspouts, entry overhangs, facia, floors, gutters, handrails, metal roofs, soffits, thresholds, walls, window frames, window jambs, window moldings, window moulli,

window sashes, window screens, window sills, and window wells. Lead levels in dust samples were not found to exceed the current HUD/EPA Guidance action level of 250  $\mu\text{g}/\text{ft}^2$  for window sills; however, lead levels in dust samples exceeded the current HUD/EPA Guidance action levels of 40  $\mu\text{g}/\text{ft}^2$  for floors and 400  $\mu\text{g}/\text{ft}^2$  for window wells. Additionally, soil samples at the site exceeded the current HUD/EPA Guidance action level of 400 ppm. This constitutes a REC for the site.

Another lead assessment for the site was completed in August 2006. The assessment identified presence and levels for lead in paint, interior dust, and soil (NAVFAC, 2006). The assessment identified presence of LBP in levels exceeding the current HUD/USEPA Guidance action limit of 1.0  $\text{mg}/\text{cm}^2$  in the following components: interior baseboards, benches, cabinets, interior and exterior ceilings, crown molding, columns, doors, door casings, screen doors, drip lines, eaves, electric boxes, fascia, foundations, floors, fences, mirror casings, lattice, louvers, partitions, pipes, panels, panel casings, posts, rafters, railings, risers, shelves, slats, structural beams, studs, sills, stringers, tables, treads, trellises, thresholds, trims, walls, window casings, window sashes, window screen sashes, valences and vents. Lead levels in dust samples were not found to exceed the current HUD/EPA Guidance action level of 400  $\mu\text{g}/\text{ft}^2$  for window wells; however, lead levels in dust samples exceeded the current HUD/EPA Guidance action levels of 40  $\mu\text{g}/\text{ft}^2$  for floors and 250  $\mu\text{g}/\text{ft}^2$  for window sills. Additionally, soil samples at the site exceeded the current HUD/EPA Guidance action level of 400 ppm. This constitutes a REC for the site

#### **4.4 PHYSICAL SETTINGS SOURCE(S)**

##### **4.4.1 USGS Topographic Map**

Exhibit 3 presents the location of the site on a USGS topographic map.

##### **4.4.2 Geological, Hydrogeological, and Meteorological Review**

###### **Geology**

The island of O'ahu originated from the remnants of two shield volcano mountain ranges, with the older Waianae Mountain Range on the west and the younger Koolau Range on the east. A series of sea level changes, volcanic eruptions (lava flows and cinder cones), subsidence events and erosional events resulted in the present-day configuration. The site area formed during a period of subsidence for the Waianae and Koolau Ranges, concurrently with the deposition of terrigenous sediments from the ranges and changes in sea level. The site is located in an area of multiple drowned river valleys (Macdonald, 1983). Geologic formations in the area include coral reef deposits, sedimentary lagoonal deposits, sedimentary marine deposits and underlying basalt flows.

## **Hydrogeology**

Groundwater resources in the site area include shallow perched and basal (fresh water in contact with sea water) aquifers beginning at elevations close to mean sea level. Two aquifer types are present: upper basal (fresh water in contact with sea water) unconfined aquifers in sedimentary deposits and lower basal confined aquifers in flank deposits (horizontally extensive lavas). Upgradient a single aquifer type is present. This aquifer type is basal, unconfined and occurs in flank deposits (Mink and Lau, 1990).

## **Meteorology**

The site is located within the Wahiawa area of O'ahu. Meteorological studies and investigations from a weather station located at the Honolulu International Airport have indicated that the average high of 88.1 degrees Fahrenheit (°F) occurs during the summer months and a low of 65.7°F occurs in the winter months. The average annual maximum temperature is 84.0°F. Very little rainfall or no rainfall at all occurs during the summer months. Rainfall typically occurs from October through April, providing an average annual rainfall of 20.7 inches (0.53 m) of rain (WRCC, 2006).

## **4.5 HISTORICAL USE INFORMATION**

### **4.5.1 Aerial Photographs**

Copies of aerial photographs of the site and surrounding areas were obtained for the years 1950, 1964, 1974, 1985, 1994 and 2003 from TIS. These photographs are presented in Appendix B. The following historical information was identified on the aerial photographs:

1950: Residential development is visible on the site. Immediately adjacent to the north is undeveloped land. Immediately adjacent to the east is undeveloped land. To the south of the site is mixed undeveloped and residential areas. To the west is Kamehameha Highway. Six above-ground petroleum storage tanks which are part of the Pearl Harbor Naval Reservation are located on the west side of Kamehameha Highway, west of the site.

1964: Compared to the 1950 aerial photograph, no significant changes to the site or surrounding properties are visible.

1974: Residential development is still visible on the site. Some residential and military use structures are visible to the north between the site and the Halawa Stream. Some residential development is visible to the east of the site. South of the project area remains unchanged as compared to the 1964 aerial photograph. West of Kamehameha Highway still contains military use property; however, there is reduction in the number of

above ground storage tanks that are visible. The H-1 Freeway is under construction to the east of the project area.

1985: Much of the area remains the same as the 1974 aerial photograph. The H-1 Freeway is now complete.

1994: No new significant changes since the 1984 aerial photograph concerning the site or the surrounding properties.

2003: No new significant changes since the 1994 aerial photograph concerning the site or the surrounding properties.

#### **4.5.2 Historic Topographic Maps**

Copies of historic topographic maps of the site and surrounding areas were obtained for the years 1959, 1968, 1983 and 1999 from TIS. These maps are presented in Appendix C. The site development as recorded on the historic topographic maps is closely aligned with the development presented in the historical aerial photographs. The main difference is that the above ground storage tanks visible in 1950 were not shown on the topo maps until 1983.

#### **4.5.3 Fire Insurance Maps**

Sanborn® fire insurance maps were not available for the site.

#### **4.5.4 Recorded Land Title Records**

The site is currently owned by the Federal government and managed by the Department of Defense. Declaration of taking by the United States government for military use was made on October 10, 1939.

#### **4.5.5 Building Department Records**

The site is currently owned by the Federal government and managed by the Department of Defense. Parsons coordinated with the Navy during the site reconnaissance and records search. Information regarding date of construction and subsequent modifications to structures was reviewed and incorporated into this assessment from information provided by the Navy, available on the Internet and other documents provided by the Design contractor.

#### **4.5.6 Zoning/Land Use Records**

The zoning designation for the site is F-1, Military and Federal.

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## **5.0 INFORMATION FROM SITE RECONNAISSANCE AND INTERVIEWS**

Parsons conducted reconnaissance of the site on March 2, 2006. The site serves as residential housing and is largely occupied. Nine units were available for interior inspection.

### **5.1 HAZARDOUS SUBSTANCES IN CONNECTION WITH IDENTIFIED USES**

During the site reconnaissance, hazardous substances were not observed at the site.

### **5.2 HAZARDOUS SUBSTANCE CONTAINERS AND UNIDENTIFIED SUBSTANCE CONTAINERS**

No containers were identified at the site during the site reconnaissance.

### **5.3 STORAGE TANKS**

During the site reconnaissance, no storage tanks were observed at the site. Six above-ground petroleum storage tanks which are part of the Pearl Harbor Naval Reservation are located on the west side of Kamehameha Highway, west of the site.

### **5.4 INDICATIONS OF PCBS**

During the site reconnaissance, land-based power transformers and fluorescent lighting that have the potential to contain PCBs were observed in various locations of the property. Regarding the power transformers, PCB-free labels were observed during the course of the site reconnaissance of military facilities. As a result, it is likely that the transformer oil used at this site is PCB-free.

Regarding fluorescent lighting, older exterior fixtures were observed in some units and in carport areas. Additionally, older fixtures may remain in units that were not inspected during the site reconnaissance. It is recommended that potential PCB-containing ballasts are properly managed, during demolition/renovation. This constitutes a REC for the site.

### **5.5 INDICATIONS OF ASBESTOS**

During the site reconnaissance, suspect ACMs were noted in the following building materials: roof tar, sink undercoating, drywall joint compound, and in the mastic for carpet, tiling, sheet vinyl, and rubber baseboards. Additionally, some units appear to have 9" x 9" vinyl floor tiles, a known ACM, beneath 12" x 12" vinyl floor tiles. This constitutes a REC for the site.

## **5.6 INDICATIONS OF SOLID WASTE DISPOSAL**

During the site reconnaissance, minimal domestic trash (litter) was observed.

## **5.7 PHYSICAL SETTING ANALYSIS, IF MIGRATING HAZARDOUS SUBSTANCES ARE AN ISSUE**

Section 4.1 summarizes potential concerns regarding nearby sites that may have an impact on the site and Section 4.4 summarizes the physical setting

## **5.8 WETLANDS AND FLOODPLAINS**

No wetlands or floodplains were observed during the site reconnaissance.

## **5.9 LEAD**

During the site reconnaissance exterior and interior paint conditions were observed to be good to fair (i.e. chipping); and interior wood components (e.g. door and window casings, shelves, beams, closets and associated shelving) were noted as original features likely containing LBP. Painted metal support poles on back and side porches, yard handrails, and on carports were also noted to likely contain LBP. This constitutes a REC for the site.

## **5.10 ENDANGERED SPECIES AND SENSITIVE ENVIRONMENTS**

### ***5.10.1 Endangered Species***

No endangered species were observed during site reconnaissance.

### ***5.10.2 Sensitive Environments***

No sensitive environments were observed during site reconnaissance.

## **5.11 INTERVIEWS**

### ***5.11.1 Military Organizations***

(b) (6), environmental scientist, representing NAVFAC PAC, was interviewed (Parsons 2006).

(b) (6), Family Housing Program Director for the COMNAV Region Hawaii, was also interviewed (Parsons 2006).



#### **5.11.2 Hawaii Department of Health**

The Hawaii Department of Health (HDOH) maintains a database of Activity and Use Limitations (AULs). The database was queried to determine if the subject property has any recorded AULs. No AULs were recorded. However, the database is still under development and according to HDOH representatives (b) (6) and (b) (6), August 8, 2006), this may indicate that the site is currently under evaluation for applicable restrictions. The HDOH representative also indicated that the primary source of information for the database for military family housing sites is the Finding of Suitability (FOS) report (Parsons, 2006). The FOS was reviewed and it was determined that there are no AULs for the subject site (DON, 2006).

### **5.12 OTHER CONDITIONS OF CONCERN**

#### **On-site**

Indications of termite infestation (severe infestation in the case of one inspected unit) were observed during the site reconnaissance. Historically chlordane containing pesticides have been used in the management of termite infestation, typically applied during construction of homes under slabs and around the foundations. Chlordane is a persistent pesticide with a half life of approximately 4 years, and can persist in soil over 20 years. Due to the historic use of chlordane in homes, chlordane may exist in the soil near the foundation and under the building slabs. This constitutes a REC for the site.

Based on observation during the site reconnaissance, canec board may comprise the interior walls and ceilings of some housing units. Canec board, a particle board made from sugarcane bagasse (fibrous residue after sugar is extracted from sugarcane), was manufactured in sheets similar in size to gypsum board and treated with calcium arsenate and arsenic acid to prevent termite and other insect infestation. Canec may contain arsenic at levels requiring handling and disposal as a hazardous waste. This constitutes a REC for the site.

Smoke detectors in older units have the potential to contain a radioactive source. Prior to renovation/demolition, smoke detectors should be checked for a radioactive source and handled and disposed of accordingly. This constitutes a REC for the site.

Light switches and lamps in older units have the potential to contain mercury. This constitutes a REC for the site.

Possible mold was observed on the exterior porch/closets of some of the units inspected. It is not uncommon to find mold growth in humid places, such as bathrooms. Mold growth can be prevented by eliminating the moisture source and remediated by thoroughly cleaning the affected area with a non-ammonia detergent and drying the affected area. The potential for mold is not an REC because it does not occur from the

release or threat of a release of a hazardous material but from conditions conducive to the growth of mold, such as the presence of moisture. Ohana Military Communities, LLC will remediate conditions of mold in accordance with the Mold Prevention and Remediation Plan.

## **6.0 FINDINGS**

### **6.1 FINDINGS SUMMARY**

In conclusion, based upon the definition of a REC in the ASTM Standard Practice E 1527-05, the following RECs have been identified for the site:

- During the site reconnaissance, suspect ACMs were noted in the following building materials: roof tar, sink undercoating, drywall joint compound, and in the mastic for carpet, tiling, sheet vinyl, and rubber baseboards. Additionally, some units appear to have 9" x 9" vinyl floor tiles, a known ACM, beneath 12" x 12" vinyl floor tiles. According to an asbestos assessment prepared by the Department of the Navy Public Works Center, ACM is present in floor tile. ACM was assumed present in roofing material, transite board, mineral roll, pipe insulation, and electrical wire insulation. It is recommended that the presence of ACM be disclosed to prospective tenants. It is also recommended that during demolition activities, the ACM Management Plan be followed.
- According to a lead assessment performed in 1997 and 2006, lead was identified in paint, interior dust, and soils at the site in levels exceeding the current action limits. It is recommended that the presence of LBP be disclosed to prospective tenants. Also, it is recommended that the LBP Management Plan be followed during demolition activities. It is recommended that LBP waste be tested for TCLP prior to disposal.
- Based on observation during the site reconnaissance, canec board may comprise the interior walls and ceilings of some housing units. Canec may contain arsenic at levels requiring handling and disposal as a hazardous waste. It is recommended that interior walls and ceilings that are suspected to be canec board be sampled for total arsenic using TCLP to determine proper handling and disposal requirements.
- During the site reconnaissance, fluorescent lighting that may contain PCB-containing ballasts was observed in various locations of the property. Older exterior and interior light fixtures were observed, notably in carport areas. It is recommended that potential PCB-containing ballasts are properly managed during renovation/demolition.
- Due to the historic use of chlordane as a termiticide in homes, chlordane may exist in the soil near the foundation and under the building slabs. Surface and near-surface soil sampling for chlordane and other pesticides, including DDT, dieldrin, and heptachlor, is recommended.

- Smoke detectors in older units have the potential to contain a radioactive source. Prior to renovation/demolition, smoke detectors should be inspected for radioactive source and handled and disposed of accordingly.
- Light switches and lamps in older units have the potential to contain mercury. During renovation/demolition, these switches and lamps should be removed and disposed of properly.
- Buildings 255 and 259 are located east of the site and within the administration area adjacent to Makalapa Crater. Both buildings reportedly were used for motor pool storage and stored oil, grease, diesel fuel, antifreeze, degreasers and solvents for vehicle maintenance. According to interviews conducted during the preparation of the Naval Housing Site Summary Report, floor drains were used for disposal of motor pool fluids. The Site Summary Report recommended that investigations be conducted to determine if there are subsurface environmental impacts. These locations are considered RECs to the site.
- The Site Summary Report Makalapa Crater Geographic Study Area identifies sites within the Crater with potential environmental impacts. Sampling has been conducted at specific sites within the Crater, including at the Clean Fill Area, Early Disposal Area, Former Pesticide Rinsate Area, the Landfill Area and at Transformer M-13. The sampling data indicates elevated levels of metals (arsenic, beryllium, lead, and mercury), gasoline and diesel in soil within the Crater area. However, additional sampling is recommended and planned. Since no data is available to determine whether or not these contaminants have migrated to the site, this constitutes a REC for the site.

## **7.0 OPINION**

Based on the findings of our assessment, Parsons provides the following opinions on the observed conditions:

The following RECs have been identified for the site:

- **ACM** - According to an asbestos assessment prepared by the Department of the Navy Public Works Center, ACM is present in floor tile. ACM was assumed present in roofing material, transite board, mineral roll, pipe insulation, and electrical wire insulation. It is the opinion of the environmental professional (EP) that although the ACM is contained and does not present a risk to tenants, it is recommended that the presence of ACM be disclosed to prospective tenants. It is also recommended that during demolition activities, the ACM Management Plan be followed.
- **LBP** - According to a lead assessment performed in 1997 and 2006, lead was identified in paint, interior dust, and soils at the site in levels exceeding the current action limits. It is recommended that the presence of LBP be disclosed to prospective tenants. Also, it is recommended that the LBP Management Plan be followed during demolition activities. It is recommended that LBP waste be tested for TCLP prior to disposal.
- **Arsenic** - It is the opinion of the EP that canec board may comprise interior walls and ceiling of some of the housing units. Canec may contain arsenic at levels requiring handling and disposal as a hazardous waste and may or may not be uniformly distributed throughout the canec. As a result, it is the opinion of the EP that interior wall and ceiling suspected to be canec be sampled for total arsenic (TCLP) to determine proper handling and disposal requirements.
- **PCB-containing ballasts** - It is the opinion of the EP that older fixtures observed at the site may contain PCB-containing ballasts. Although they pose no risk to residents, potential PCB-containing ballasts should be properly managed, during demolition/renovation.
- **Pesticides** - Due to the historic use of chlordane as a termiticide in homes, it is the opinion of the EP that chlordane may have been employed at the site for pest control. As a result, surface and near-surface soil sampling for chlordane and other pesticides, including DDT, dieldrin, and heptachlor, is recommended.
- **Radioactive source** - It is the opinion of the EP that smoke detectors in older units have the potential to contain a radioactive source. Although the smoke

detectors pose no risk to residents, they should be inspected for a radioactive source and handled and disposed of accordingly.

- Mercury - It is the opinion of the EP that switches in older units have the potential to contain a mercury. Although mercury-containing switches pose no risk to residents, during demolition, they should be removed and disposed of properly.
- Buildings 255 and 259 are located east of the site and within the administration area adjacent to Makalapa Crater. Both buildings reportedly were used for motor pool storage and stored oil, grease, diesel fuel, antifreeze, degreasers and solvents for vehicle maintenance. According to interviews conducted during the preparation of the Naval Housing Site Summary Report, floor drains were used for disposal of motor pool fluids. The Site Summary Report recommended that investigations be conducted to determine if there are subsurface environmental impacts. These locations are considered RECs to the site.
- The Site Summary Report Makalapa Crater Geographic Study Area identifies sites within the Crater with potential environmental impacts. Sampling has been conducted at specific sites within the Crater, including at the Clean Fill Area, Early Disposal Area, Former Pesticide Rinsate Area, the Landfill Area and at Transformer M-13. The sampling data indicates elevated levels of metals (arsenic, beryllium, lead, and mercury), gasoline and diesel in soil within the Crater area. However, additional sampling is recommended and planned. Since no data is available to determine whether or not these contaminants have migrated to the site, this constitutes a REC for the site.

It is the opinion of the EP that the Lead Control Area reported in the EBS is not a REC. According to Navy representatives, the Lead Control Area serves as bins for accumulating building components containing LBP that have been removed until they can be disposed at a landfill. Since these LBP materials are being properly managed, they are not a REC.

It is the opinion of the EP that the one listed RCRA COR site is not a REC. This COR site is the Pearl Harbor Shipyard and Maintenance Facility. Nine violations are recorded. The initial violation occurred in 1985 and the last violation occurred in 1995. All of the violations were administrative in nature. No environmental concerns were reported.

It is the opinion of the EP that the one RCRA GEN site, listed as a small quantity generator, is not a REC to the site. During the course of the site reconnaissance, the EP did not observe any environmental related impacts as a result of this site.

It is the opinion of the EP that transformer M-2 is not a REC. Although there are localized PCB impacts, the transformer is located off-site and PCB soil and concrete impacts do not migrate.

It is the opinion of the EP that temporary renovation activity conducted at 37 Halawa Drive is not a REC. The renovation was for arsenic, which was most likely canec. Canec is identified as a REC for the entire site.

It is the opinion of the EP that the temporary renovation of asbestos at 7A Samoa Place is not a REC. The renovation activity was completed and deemed a finding of no concern.

It is the opinion of the EP that the one FINDS site is not a REC to the site. The FINDS site is not cross-referenced in any of the other databases and no environmentally related issues have been reported for this site.

It is the opinion of the EP that the recorded LUST sites are not a REC. Both sites are designated as cleanup completed.

It is the opinion of the EP that the recorded NCDB site is not a REC. This site is the Navy Montessori School. The AHERA-related inspection was conducted in 1991. No environmental concerns are related to this site.

It is the opinion of the EP that potential mold growth is not a REC. It is not uncommon to find mold growth in humid places, such as bathrooms. Mold growth can be prevented by eliminating the moisture source and remediated by thoroughly cleaning the affected area with a non-ammonia detergent and drying the affected area. The potential for mold is not an REC because it does not occur from the release or threat of a release of a hazardous material but from conditions conducive to the growth of mold, such as the presence of moisture. Ohana Military Communities, LLC will remediate conditions of mold in accordance with the Mold Prevention and Remediation Plan.

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## **8.0 CONCLUSIONS**

Parsons has conducted this Phase I Environmental Site Assessment in accordance with the American Society for Testing and Materials Standard Practice E 1527-05, *Standard Practice for Environmental Site Assessments: Phase I Environmental Assessment Process* of the Makalapa Naval Family Housing Area located in the Pearl Harbor Area of O'ahu, Hawaii. This assessment has revealed no evidence of recognized environmental conditions in connection with the subject property except for the following:

### **8.1 GENERAL CONCLUSIONS**

Per the findings above, the following RECs were identified for the site: (1) ACM, (2) lead, (3) PCB-containing ballasts, (4) smoke detectors, (5) mercury switches in housing units and associated structures, (6) arsenic in canec walls and ceilings, (7) chlordane and other pesticides, including DDT, dieldrin, and heptachlor, in soil; (8) discharges at Bldgs 255 and 259; and (9) potential impacts from the Makalapa Crater geographic study area.

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## **9.0 DEVIATIONS AND DATA GAPS**

### **9.1 DEVIATIONS**

Photographs were not taken during the course of the site reconnaissance.

### **9.2 DATA GAPS**

Data is not presented in the following report sections:

#### **3.4.5 Valuation Reduction for Environmental Issues**

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## **10.0 REFERENCES**

### **10.1 REFERENCES**

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**PHASE I ENVIRONMENTAL SITE ASSESSMENT  
MAKALAPA NAVAL FAMILY HOUSING AREA  
PEARL HARBOR AREA OF O'AHU, HAWAII**

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Personal communication between (b) (6) and (b) (6) of Hawaii Department of Health and (b) (6) and (b) (6) of Parsons. August 8, 2006.

Personal communication between (b) (6) of COMNAV Region Hawaii and (b) (6) and (b) (6) of Parsons. August 9, 2006.

Personal communication between (b) (6) and (b) (6) of NAVFAC PAC and (b) (6) and (b) (6) of Parsons. August 10, 2006.

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TIS. Historical Aerial Photograph Report February 28, 2006.

TIS. Historical Topographic Map Report. March 6, 2006.

*Volcanoes in the Sea, The Geology of Hawaii*, Second Ed., Macdonald et. al., 1983.

Western Regional Climate Center Web Page (<http://www.wrcc.dri.edu/>)

## **11.0 SIGNATURE(S) OF ENVIRONMENTAL PROFESSIONAL(S)**

Parsons declares that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in Section 312.10 of Title 40, Code of Federal Regulations (CFR), Part 312 dated 1 November 2005.

We have the specific qualifications based on education, training and experience to assess a property of the nature, history and setting of the subject property. We have developed and performed the all appropriate inquires in conformance with the standards and practices set forth in 40 CFR 312.

Signature:

Date:

(b) (6)  
\_\_\_\_\_  
(b) (6), P.E.

September 2006

(b) (6)  
\_\_\_\_\_  
(b) (6), P.E.

September 2006

(b) (6)  
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(b) (6)

September 2006

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September 2006

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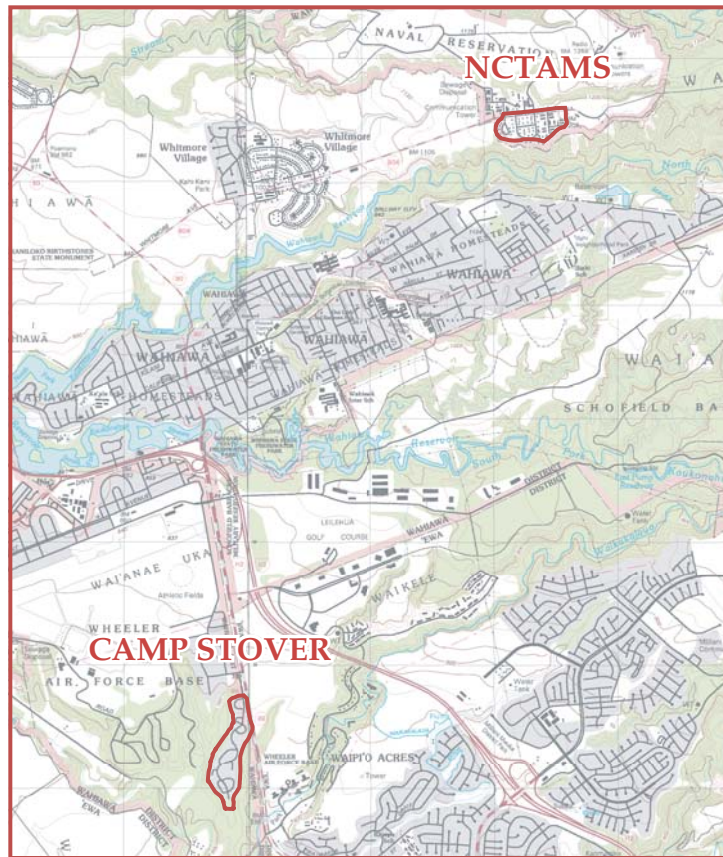
## **12.0 QUALIFICATION(S) OF ENVIRONMENTAL PROFESSIONAL(S)**

<b>Name</b>	<b>Degree</b>	<b>Years of Experience</b>	<b>Project Responsibilities</b>
(b) (6), P.E.	M.S., Chemical Engineering	28	Site reconnaissance, data review and report preparation
(b) (6), P.E.	M.S., Chemical Engineering	27	Site reconnaissance, data review and report preparation
(b) (6)	B.A., Environmental Studies	5	Site reconnaissance, data review and report preparation
	B.A., Anthropology		
(b) (6)	B.S., Chemical Engineering	3	Site reconnaissance, data review and report preparation

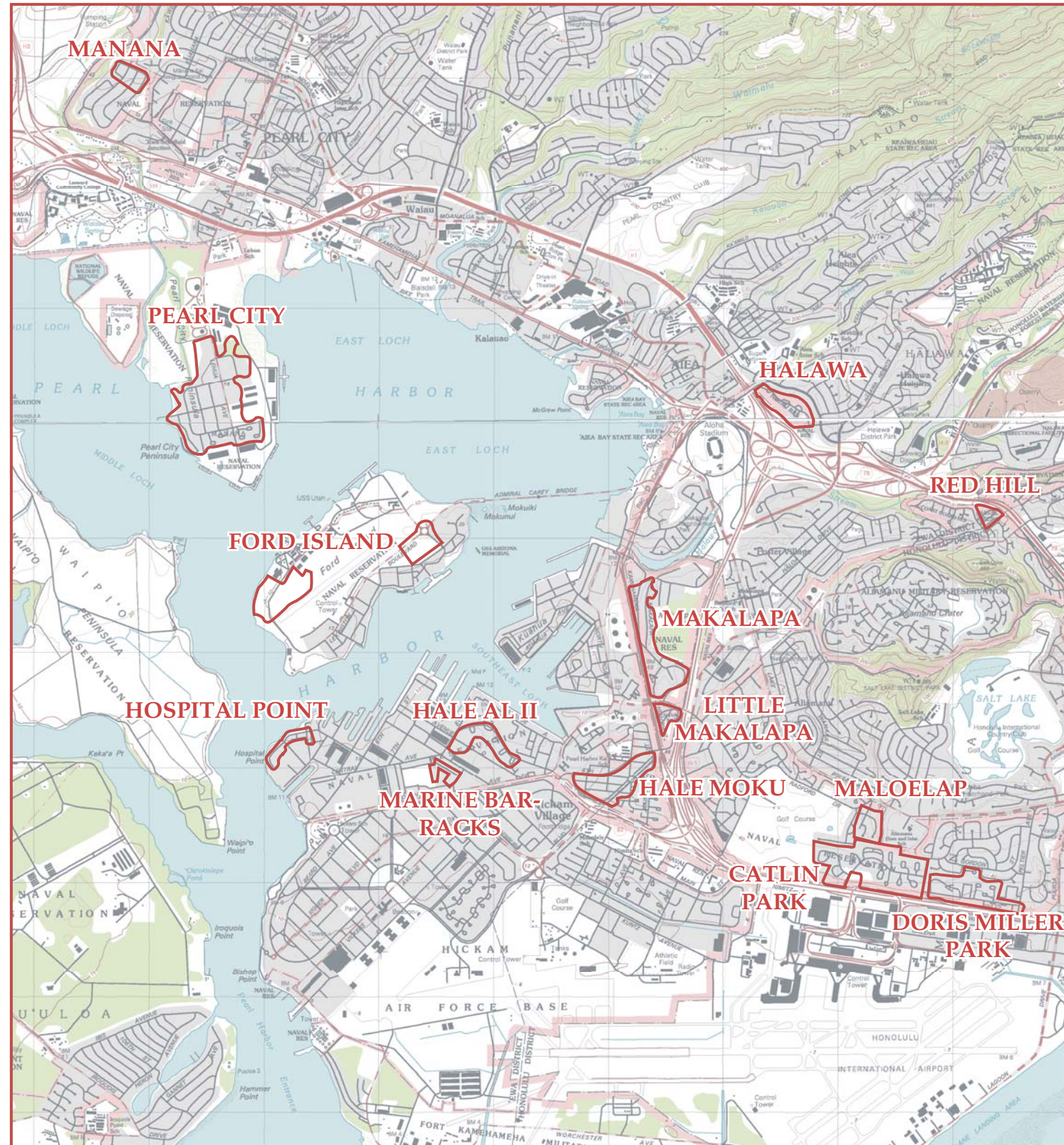
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EXHIBIT 1  
SITE MAP





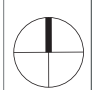
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0' 2000' 4000'

# NAVY INCREMENT III SITES CONTEXT Overall Location Map

Honolulu, Hawaii

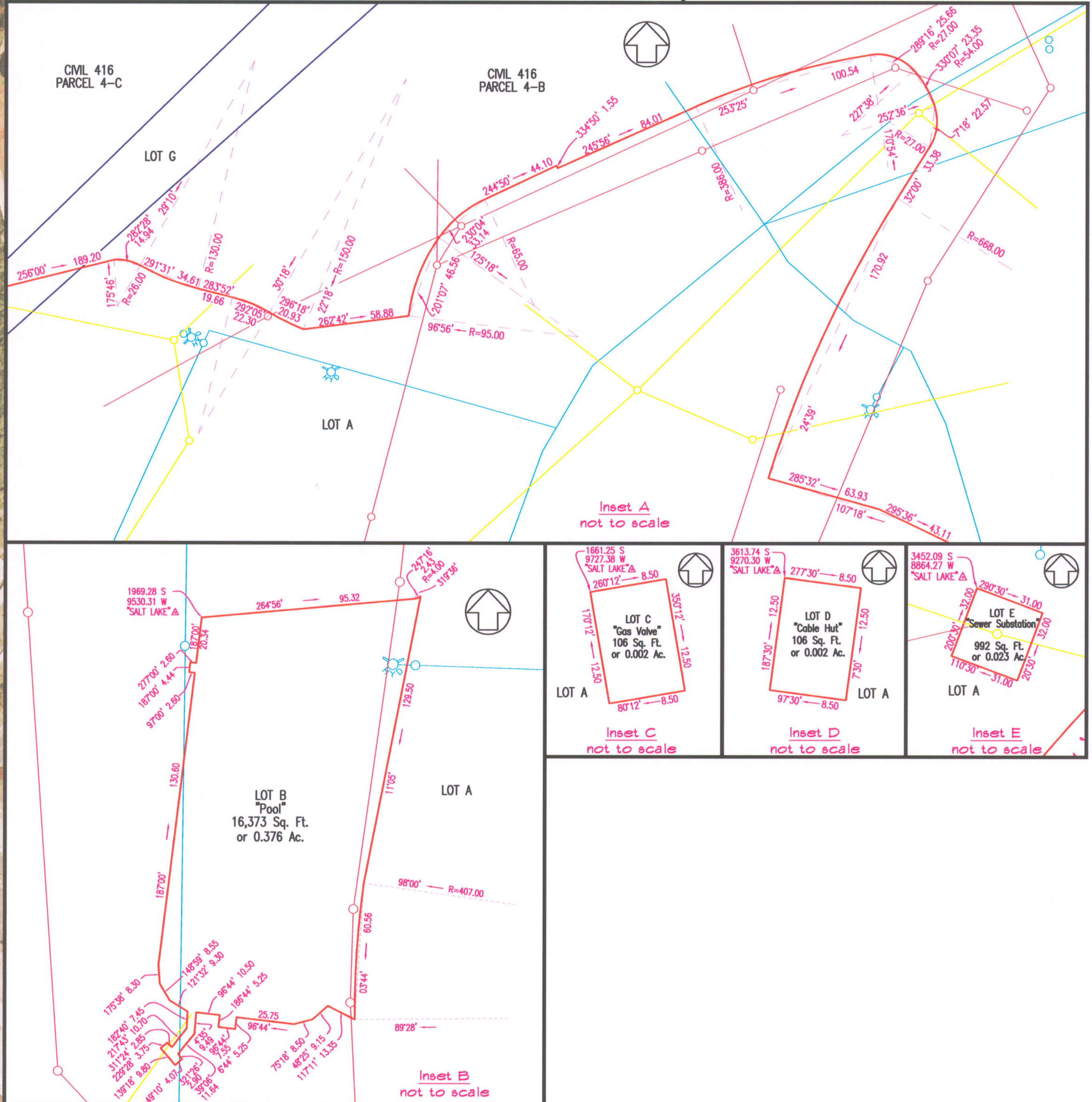
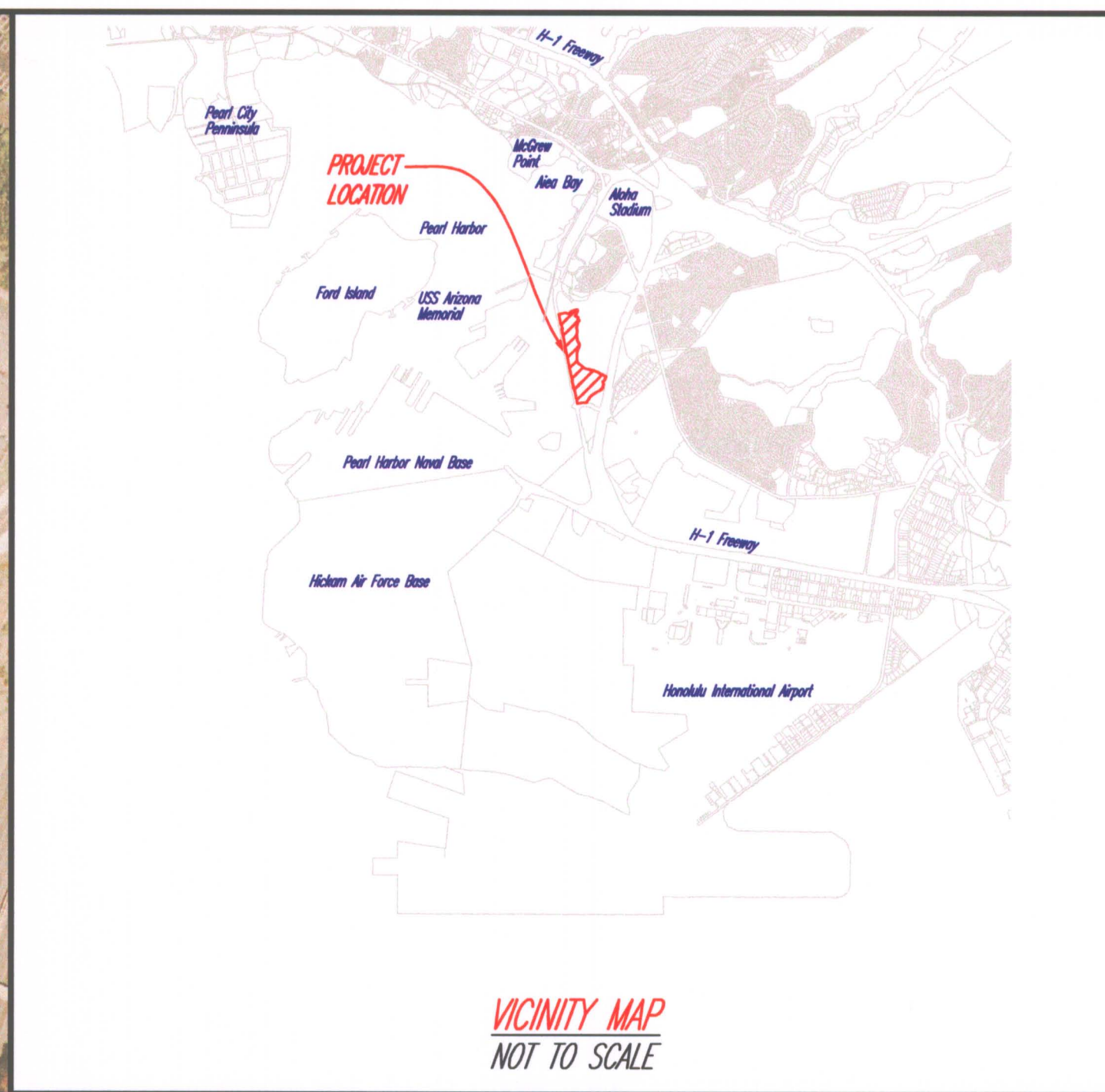


June 2006



EXHIBIT 2  
SITE SURVEY MAP

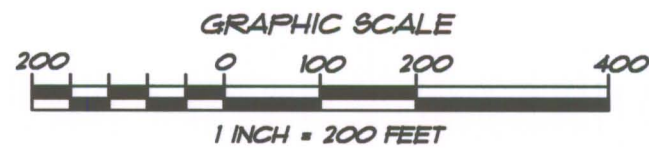




- Legend:
- Electric
  - Sewer
  - Water
  - Electric Structure
  - Sewer Structure
  - Water Structure
  - Fire Hydrant
- Denotes Access Permitted
- Denotes No Access Permitted

- Note:
- Azimuths and coordinates are referred to Government Survey Triangulation Station "Salt Lake".
  - Lots B, C, D, and E shall have access over Lot A, which is Navy owned property.

MODIFIED ALTA/ACSM LAND TITLE SURVEY  
"MAKALAPA HOUSING"  
BEING A PORTION OF DECLARATION OF TAKING, CIVIL NO. 416  
SAME BEING A PORTION OF ROYAL PATENT 6717,  
LAND COMMISSION AWARD 7712 AND 8516-B  
TO M. KEKUANAOA AND KAMAIIKUI  
AT HALAWA, EWA, OAHU, HAWAII  
TAX MAP KEY: 9-9-02: POR. 4 (1ST DIVISION)  
Sheet 1 of 3



SURVEY CERTIFICATE:

Subject Premise: MAKALAPA HOUSING  
Halawa, Ewa, Oahu, Hawaii

The undersigned, as to the property described and depicted in the attached survey entitled "MODIFIED ALTA/ACSM LAND TITLE SURVEY, MAKALAPA HOUSING", hereby certifies to Ohana Military Communities, LLC, Hawaii Military Communities LLC, Merrill Lynch, Pierce, Fenner & Smith Incorporated and its affiliates, Commonwealth Land Title Insurance Company, Island Title Corporation, United States of America, Department of the Navy, M&A Insurance Corporation, CFC Assurance North America, Inc., Lehman Brothers, Inc., Ballard Spahr Andrews & Ingersoll, LLP, Hutton & Williams, LLP, Chun Rair & Yoshimoto LLP, Hawkins, Delafield & Wood LLP, Holland & Knight LLP, Kutak Rock LLP, Carlsmith Ball LLP, The Bank of New York Trust Company, N.A. and TruMont Real Estate Advisors, Inc. and their respective successors and assigns, as of the date of this Survey Certificate, that:

- I am a registered surveyor No. 10059 licensed by the State of Hawaii;
- The attached survey entitled "MODIFIED ALTA/ACSM LAND TITLE SURVEY, MAKALAPA HOUSING" was prepared by me, or directly under my supervision, after inspection of the premises on the ground at various times from May 2006 through June 2006, and accurately and correctly represents the facts and conditions found at the time of survey. The attached survey consists of a total of 2 sheets. The first sheet of the survey is accompanied by an aerial photograph of each parcel of the subject property (the "Aerial Page");
- The survey accurately and correctly shows:
  - The boundary lines of the subject property and the area of the subject property, and each parcel thereof, as measured in both acres and square feet (and that the lines of actual possession are the same, except as expressly noted);
  - The location of all easements, rights-of-way and other matters with respect to the subject property (or any part thereof) in accordance with the provisions of Section 5(h) of the "Minimum Standard Detail Requirements for ALTA/ACSM Land Title Surveys," jointly established and adopted in 2005 by American Land Title Association ("ALTA") and National Society of Professional Surveyors ("NSPS") (the "ALTA Standards") and the location of all easements, rights-of-way and other matters with respect to the subject property (or any part thereof) of which I have knowledge or have been advised (whether or not of record), and, if applicable, identified by reference to the specific recording information or, if available, Navy control number and, if applicable, cross-referenced to the exception number in the commitment for title insurance (and including whether the same apply to and can be located and plotted on the survey);
  - As shown on the Aerial Page only, all publicly-dedicated and maintained abutting streets and roadways providing access to the subject property specifically showing the access points thereon and the name thereof, together with map insets showing access over Navy-owned roads or other possible accessways to the first point of contact with a publicly dedicated and maintained road or other possible accessway;
  - All utility lines, facilities and equipment, the existence and location(s) of which is based upon (i) "as-built" maps, drawings, plans and other documentation and information provided by Navy Public Works (identified on the survey by available information with respect to such drawings, plans and other documentation and information), and the existence and location(s) of which (as shown on such "as-built" maps, drawings, plans and other documentation and information) have been (A) confirmed and verified by visual inspection on the ground completed by me or someone directly under my supervision at various times from May 2006 to July 2006, and (B) corrected if necessary based upon and in accordance with such visible inspection on the ground; or (ii) observed evidence.
  - The scale, north direction, beginning point, and point of reference from which each parcel of the subject property is located;
  - A vicinity map showing the subject property in reference to major street intersections;
  - The measured and computed courses and distances of the exterior property lines of each parcel of the subject property (also showing the point of beginning thereof), which form a mathematically closed figure and coincide with the separate metes and bounds or other legally sufficient legal descriptions of the boundaries of each respective parcel of the subject property provided to the parties listed above;
  - The location of all monuments, stakes or marks on the subject property or upon which the establishment of the corners of the subject property depend, whether found or placed; and
  - The location and boundaries (with measured and computed courses and distances) of those areas of the subject property, if any, that are subject to partial legislative jurisdiction, concurrent legislative jurisdiction or proprietary jurisdiction;
- Except as shown and noted on the survey, there are no (a) encroachments upon the subject property by any buildings, fences or other structures upon adjacent property, streets or alleys, (b) encroachments on adjacent property, streets or alleys by any buildings, fences or other structures on the subject property, (c) party walls, (d) conflicts or protrusions, or (e) visible discrepancies, shortages in area or boundary line conflicts;
- Adequate ingress to and egress from the subject property is provided by way of Kamehameha Highway being paved and routinely maintained by State of Hawaii & the United States of America, and Radford Road being paved and routinely maintained by State of Hawaii;
- Any building setback lines disclosed by the title commitment or other documents or instruments provided to the undersigned as affecting the subject property and, as such, no building setback lines have been shown;
- The subject property does (and all of the buildings and other structures located on the subject property do) lie within Flood Zone D (areas in which flood hazards are undetermined, but possible) by the Department of Homeland Security, on Flood Insurance Rate Map No. 150603338F, dated September 2004, City and County of Hawaii which is the current Flood Insurance Rate Map published by the Federal Emergency Management Agency for the community in which said premises is situated;
- This survey is made at least in accordance with the ALTA Standards, except:
  - for the provisions of Paragraph 5(c) (only with respect to names and widths and location of pavement for streets and highways abutting the subject property and evidence of private roads, but without limiting the provisions of Section 3(c) and 3(d) of this Survey Certificate), Section 5(d) (only as it relates to contiguity, gaps and overlaps interior to exterior boundaries), Section 5(f), 5(g) (but without limiting the provisions of Section 3(c) and 3(d) of this Survey Certificate), 5(i) and 5(j) (only as it relates to driveways and alleys on or crossing the subject property, but without limiting the provisions of Section 3(c) and 3(d) of this Survey Certificate), and includes Items 1, 2, 3, 4, 6, 10 and 14 of Table A thereof; and
  - that (check applicable provision(s); if nothing checked, then not applicable):
    - ( ) The subject property is, as of the date of this Certificate, comprised in whole or in part of existing recorded Land Court lot(s) that are the subject of petition(s) and map(s) for consolidation and/or resubdivision filed with Land Court and which, as of the date of this Certificate, are pending final Land Court approval. The boundary lines of the subject property shown on the survey depict the proposed final boundary lines of the subject property upon final Land Court approval as reflected on the pending Land Court petition(s) and map(s). The survey does not depict the boundary lines of the existing recorded Land Court lot(s) of which the subject property is currently a part. Upon final Land Court approval of the pending petition(s) for the consolidation and/or resubdivision necessary to create the subject property (as reflected by the boundary lines depicted in the pending Land Court petition(s) and map(s)), the undersigned shall execute and deliver an updated certificate in the same form and substance as this Certificate without the provisions of this Section 8(b) as of the date of such updated certificate; and/or
    - (X ) The survey of the subject property is an original survey of lot(s) comprised in whole or in part of Regular System land lot(s). A surveyor's affidavit certifying the metes and bounds description of the Regular System land lot(s) of which the subject property is a part has not been recorded in the Bureau of Conveyances of the State of Hawaii. The survey, therefore, only reflects, and the undersigned only certifies, the metes and bounds description of the subject property as depicted on the survey.
- The Aerial Page shows all internal streets and roadways, buildings and improvements thereon (identified on the survey by available information with respect to such photograph, including, if available, the date thereof) with the boundary lines, easements and the location of utility lines, facilities and equipment within and upon the subject property superimposed thereon. The undersigned does not certify as to the accuracy of the aerial photograph contained on the Aerial Page.
- Pursuant to the accuracy standards as adopted by ALTA and NSPS, and in effect on the date of this Survey Certificate, the undersigned certifies that in my professional opinion, as a land surveyor registered in the State of Hawaii, the Relative Positional Accuracy of this survey does not exceed that which is specified therein; and
- This survey conforms to the current minimum local and state standards and standards of care for surveys of the State of Hawaii. The parties listed above are entitled to rely on the survey and this certificate as being true, complete and accurate in all respects.

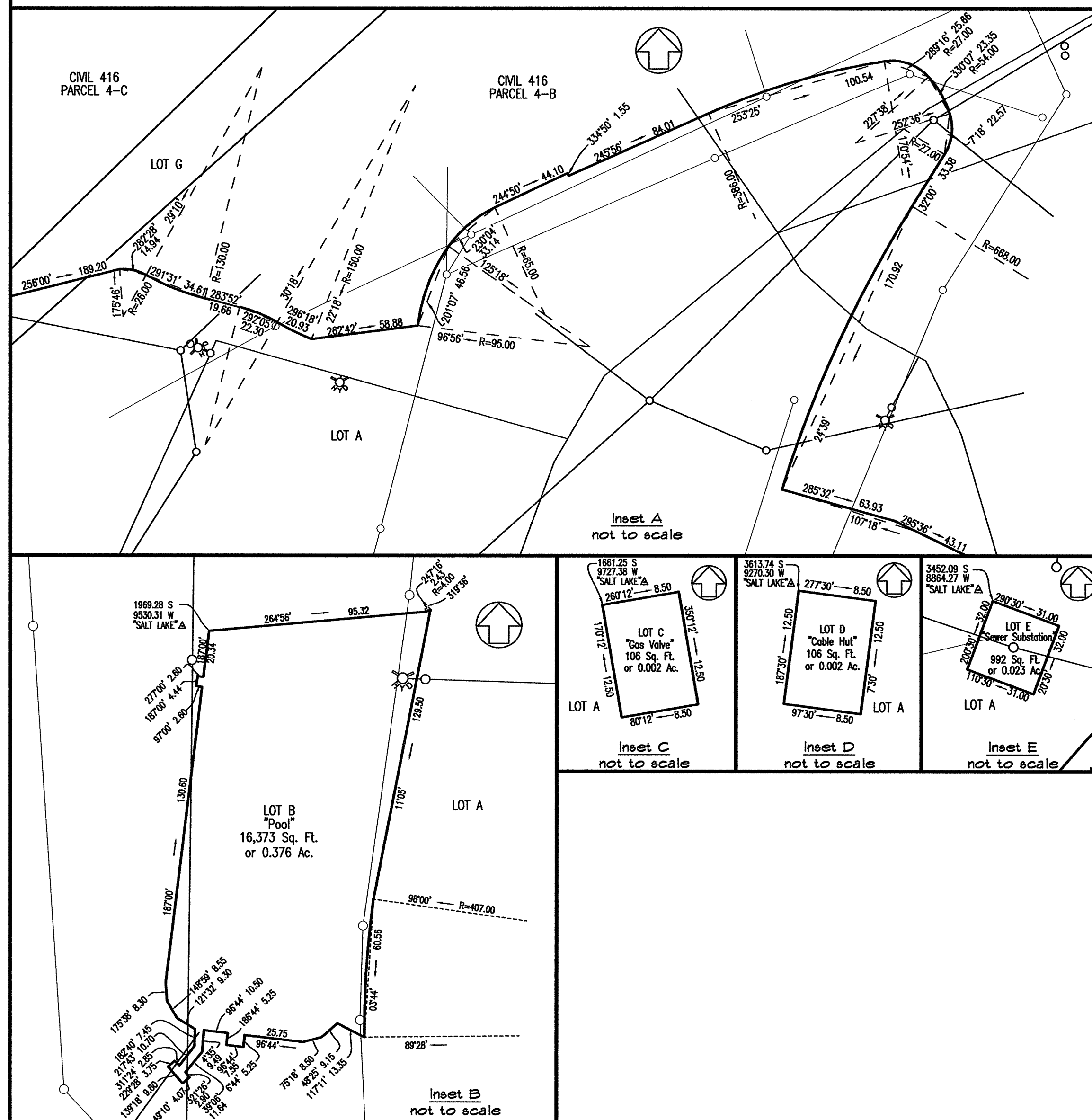
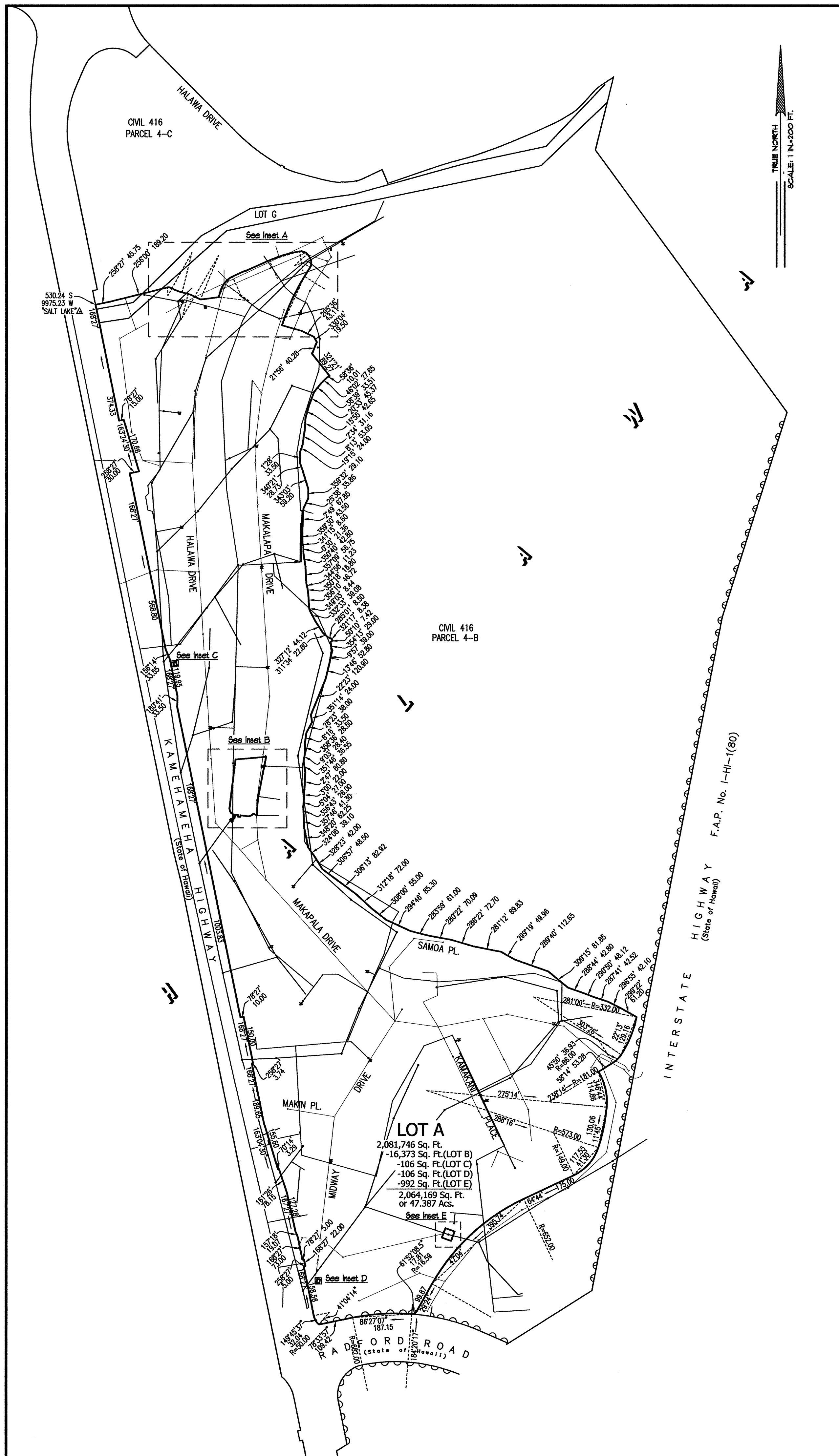
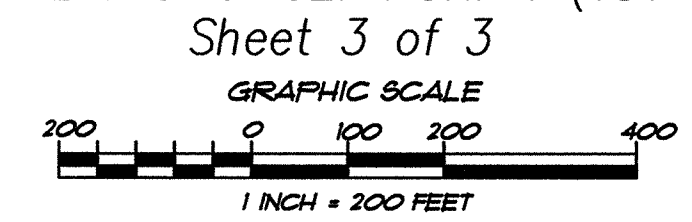
Dated this 14th day of September, A.D., 2006

Ryan M. Suzuki  
Licensed Professional Land Surveyor  
Certificate Number 10059





MODIFIED ALTA/ACSM LAND TITLE SURVEY  
 "MAKALAPA HOUSING"  
 BEING A PORTION OF DECLARATION OF TAKING, CIVIL NO. 416  
 SAME BEING A PORTION OF ROYAL PATENT 6717,  
 LAND COMMISSION AWARD 7712 AND 8516-B  
 TO M. KEKUANAOA AND KAMAIKUI  
 AT HALAWA, EWA, OAHU, HAWAII  
 TAX MAP KEY: 9-9-02: POR. 4 (1ST DIVISION)



- Legend:
- Electric
  - Sewer
  - Water
  - Electric Structure
  - Sewer Structure
  - Water Structure
  - Fire Hydrant
- Denotes Access Permitted  
 Denotes No Access Permitted

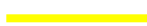
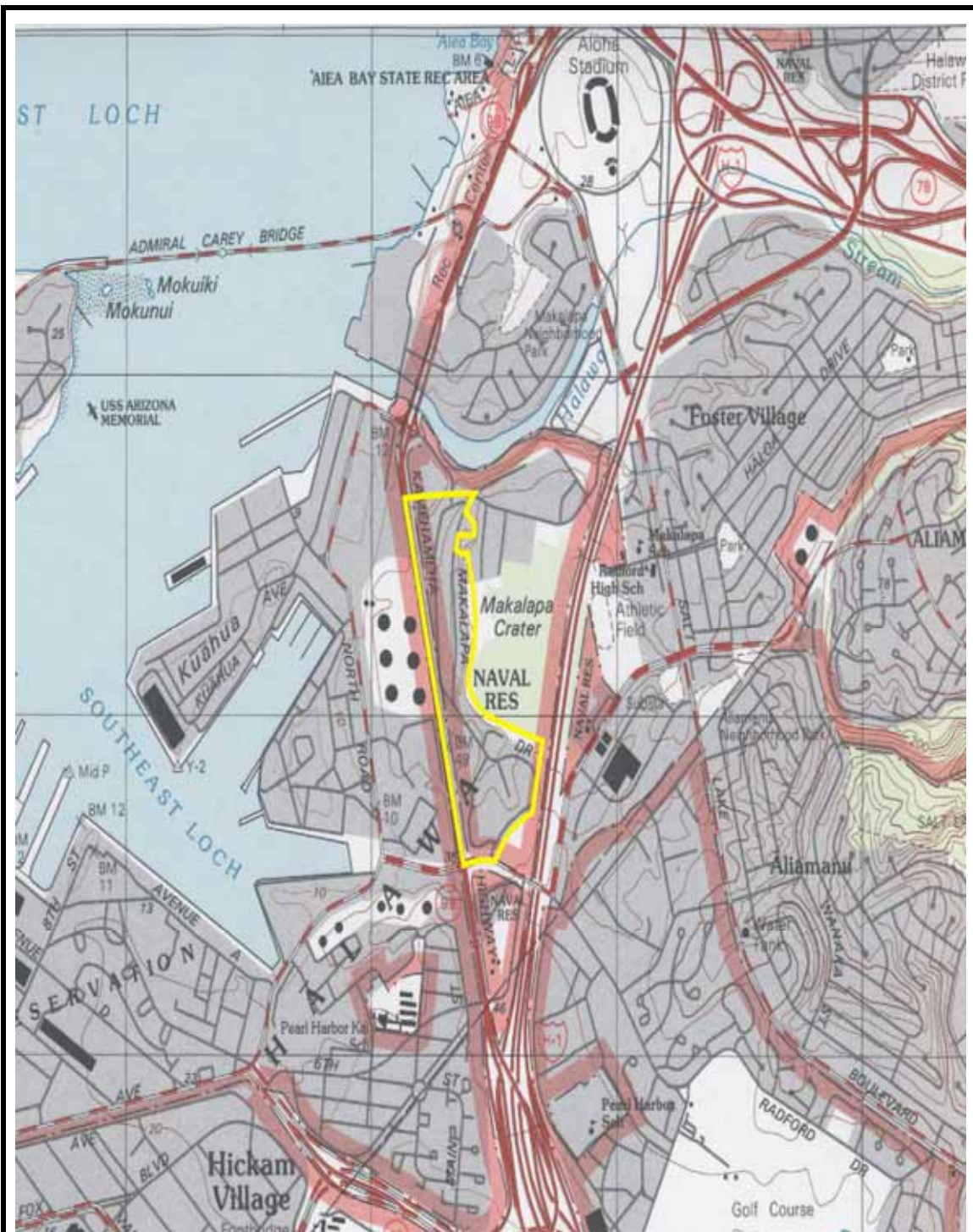
- Note:
- Azimuths and coordinates are referred to Government Survey Triangulation Station "Salt Lake"  $\Delta$ .
  - Lots B, C, D, and E shall have access over Lot A, which is Navy owned property.







EXHIBIT 3  
SITE TOPOGRAPHICAL MAP



Site Boundary

**Exhibit 3**  
**Site Topographical Map**

EXHIBIT 4  
ENVIRONMENTAL DATABASE SITES WITHIN ASTM SEARCH  
DISTANCE

**Exhibit 4**  
**Environmental Database Sites within**  
**ASTM Search Distance**

## Appendix A

### ENVIRONMENTAL DATABASE REPORT



**TRACK ► INFO SERVICES, LLC**

# **Environmental FirstSearch™ Report**

**TARGET PROPERTY:**

**MAKALAPA NAVAL FAMILY HOUSING**

**HONOLULU HI 96818**

Job Number: 904283

**PREPARED FOR:**

Parsons

100 West Walnut Street

Pasadena, CA 91124

02-11-06



*Tel: (866) 664-9981*

*Fax: (818) 249-4227*



# Environmental FirstSearch Search Summary Report

**Target Site:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

## FirstSearch Summary

Database	Sel	Updated	Radius	Site	1/8	1/4	1/2	1/2>	ZIP	TOTALS
NPL	Y	01-13-06	1.00	0	0	0	0	0	0	0
CERCLIS	Y	01-13-06	0.50	0	0	0	0	-	0	0
NFRAP	Y	08-01-05	0.12	0	0	-	-	-	1	1
RCRA TSD	Y	09-22-05	0.50	0	0	0	0	-	0	0
RCRA COR	Y	12-10-05	1.00	0	0	0	0	1	0	1
RCRA GEN	Y	12-10-05	0.25	0	0	1	-	-	4	5
RCRA NLR	Y	12-10-05	0.12	0	0	-	-	-	3	3
ERNS	Y	12-31-05	0.12	0	0	-	-	-	1	1
NPDES	Y	10-14-05	0.25	0	0	0	-	-	0	0
FINDS	Y	09-12-05	0.25	0	0	1	-	-	5	6
TRIS	Y	12-01-05	0.25	0	0	0	-	-	0	0
State Sites	Y	NA	1.00	0	0	0	0	0	0	0
Spills-1990	Y	NA	0.12	0	0	-	-	-	0	0
Spills-1980	Y	NA	0.12	0	0	-	-	-	0	0
SWL	Y	NA	0.50	0	0	0	0	-	0	0
Permits	Y	NA	0.25	0	0	0	-	-	0	0
Other	Y	NA	0.25	0	0	0	-	-	0	0
REG UST/AST	Y	08-01-05	0.25	0	0	1	-	-	2	3
Leaking UST	Y	08-01-05	0.50	0	0	0	2	-	4	6
State Wells	Y	NA	0.50	0	0	0	0	-	0	0
Aquifers	Y	NA	0.50	0	0	0	0	-	0	0
ACEC	Y	NA	0.50	0	0	0	0	-	0	0
Wetlands	Y	NA	0.50	1	1	0	1	-	0	3
Floodplains	Y	NA	0.50	0	0	0	0	-	0	0
Nuclear Permits	Y	NA	0.50	0	0	0	0	-	0	0
Historic/Landmark	Y	11-17-05	0.50	0	0	0	0	-	5	5
Federal Land Use	Y	01-27-05	0.50	1	0	0	1	-	0	2
Federal Wells	Y	05-19-03	0.50	0	2	0	8	-	0	10
Releases(Air/Water)	Y	12-31-05	0.12	0	0	-	-	-	0	0
HMIRS	Y	03-15-05	0.12	0	0	-	-	-	1	1
NCDB	Y	08-30-04	0.25	1	0	0	-	-	0	1
PADS	Y	09-29-05	0.25	0	0	0	-	-	0	0
Federal Other	N	05-13-05	0.25	-	-	-	-	-	-	-
Brownfield	Y	10-18-05	0.25	0	0	0	-	-	0	0
Towers	Y	01-15-04	0.25	0	3	0	-	-	1	4
Soils	Y	03-18-97	0.25	0	0	0	-	-	0	0
Receptors	Y	NA	0.12	0	0	-	-	-	0	0
FIMAP	N	07-14-05	0.50	-	-	-	-	-	-	-
- TOTALS -				3	6	3	12	1	27	52

### Notice of Disclaimer

Due to the limitations, constraints, inaccuracies and incompleteness of government information and computer mapping data currently available to TRACK Info Services, certain conventions have been utilized in preparing the locations of all federal, state and local agency sites residing in TRACK Info Services's databases. All EPA NPL and state landfill sites are depicted by a rectangle approximating their location and size. The boundaries of the rectangles represent the eastern and western most longitudes; the northern and southern most latitudes. As such, the mapped areas may exceed the actual areas and do not represent the actual boundaries of these properties. All other sites are depicted by a point representing their approximate address location and make no attempt to represent the actual areas of the associated property. Actual boundaries and locations of individual properties can be found in the files residing at the agency responsible for such information.

### Waiver of Liability

Although TRACK Info Services uses its best efforts to research the actual location of each site, TRACK Info Services does not and can not warrant the accuracy of these sites with regard to exact location and size. All authorized users of TRACK Info Services's services proceeding are signifying an understanding of TRACK Info Services's searching and mapping conventions, and agree to waive any and all liability claims associated with search and map results showing incomplete and or inaccurate site locations.



***Environmental FirstSearch  
Site Information Report***

**Request Date:** 02-11-06  
**Requestor Name:** (b) (6)  
**Standard:** ASTM

**Search Type:** AREA  
**Job Number:** 904283

**Filtered Report**

**TARGET ADDRESS:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

***Demographics***

<b>Sites:</b> 52	<b>Non-Geocoded:</b> 27	<b>Population:</b> NA
<b>Radon:</b> -1.2 - 4.8 PCI/L		

***Site Location***

	<u>Degrees (Decimal)</u>	<u>Degrees (Min/Sec)</u>		<u>UTMs</u>
<b>Longitude:</b>	-157.93776	-157:56:16	<b>Easting:</b>	610135.956
<b>Latitude:</b>	21.361223	21:21:40	<b>Northing:</b>	2362358.865
			<b>Zone:</b>	4

***Comment***

**Comment:**HAWAII NAVAL HOUSING

***Additional Requests/Services***

**Adjacent ZIP Codes:** 1 Mile(s)

**Services:**

ZIP Code	City Name	ST	Dist/Dir	Sel
96701	AIEA	HI	0.00 --	Y
96860	PEARL HARBOR	HI	0.00 --	Y

	Requested?	Date
Sanborns	No	
Aerial Photographs	No	
Historical Topos	No	
City Directories	No	
Title Search	No	
Municipal Reports	No	
Online Topos	No	

# Environmental FirstSearch

## Sites Summary Report

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

**TOTAL:** 52      **GEOCODED:** 25      **NON GEOCODED:** 27      **SELECTED:** 0

Page No.	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID
1	LANDUSE	NAVY DOD PEARL HARBOR NAVAL STATIO 45978	HI	0.00 --	11
2	NCDB	NAVY MONTESSORI SCHOOL NCDB-0801-069273/TSCA	BLDG 81 54 MAKALAPA DR HONOLULU HI 96818	0.00 --	22
4	WETLANDS	NATIONAL WETLANDS INVENTORY NWI-HI-1666/E1OWL	HI	0.00 --	7
4	TOWERS	NEXTEL COMMUNICATIONS HAWAII 00-AWP-1898-OE/ASR-DE	FOSTER VILLAGE HI	0.05 SE	24
5	WETLANDS	NATIONAL WETLANDS INVENTORY NWI-HI-1714/PSS3/EM1C	HI	0.05 SE	8
5	TOWERS	CELLCO PARTNERSHIP 02-AWP-1316-OE/ASR-DE	FOSTER VILLAGE HI	0.07 SE	23
6	FEDWELLS	3-2156-04 W176-1 HAL FW-HI-1410/USGS GROUNDWATER INV	HI	0.09 NE	19
7	FEDWELLS	3-2156-03 W176 HALAW FW-HI-1378/USGS GROUNDWATER INV	HI	0.11 SE	18
8	TOWERS	12-0295/DOF	HONOLULU HI	0.12 SW	25
9	RCRAGN	ACCESS BUSINESS GROUP L L C PACIFI HIR000034421/VGN	4444 MALAAI ST HONOLULU HI 96818	0.13 SE	2
10	FINDS	3M CO HID097691877	4443 MALAAI ST HONOLULU HI 96818	0.14 SE	4
11	UST	TESORO GAS EXPRESS #19 9-101385/CURRENTLY IN USE	4259 LAWEHANA ST HONOLULU HI 96818	0.17 SE	6
12	FEDWELLS	3-2156-02 W172 HALAW FW-HI-1351/USGS GROUNDWATER INV	HI	0.34 SE	17
13	FEDWELLS	3-2156-01 W171 HALAW FW-HI-1350/USGS GROUNDWATER INV	HI	0.34 SE	16
14	LANDUSE	NAVY DOD FORD ISLAND NAVAL STATION 45980	HI	0.38 NW	10
15	FEDWELLS	3-2155-01 W173 HALAW FW-HI-1367/USGS GROUNDWATER INV	HI	0.38 SE	12
16	WETLANDS	NATIONAL WETLANDS INVENTORY NWI-HI-2142/E1OWL	HI	0.41 N-	9
16	LUST	FASTOP STADIUM MALL 9-101200	4510 SALT LAKE BLVD HONOLULU HI 96818	0.42 NE	5
17	LUST	CHEVRON SS #208878 DBA SALT LAKE C 9-100849	4561 SALT LAKE BLVD HONOLULU HI 96818	0.42 NE	3
18	FEDWELLS	3-2155-03 W175 HALAW FW-HI-1377/USGS GROUNDWATER INV	HI	0.42 SE	14
19	FEDWELLS	3-2155-02 W174 HALAW FW-HI-1371/USGS GROUNDWATER INV	HI	0.42 SE	13

***Environmental FirstSearch  
Sites Summary Report***

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

**TOTAL:** 52      **GEOCODED:** 25      **NON GEOCODED:** 27      **SELECTED:** 0

Page No.	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID
20	FEDWELLS	3-2155-05 W172-1 HAL FW-HI-1366/USGS GROUNDWATER INV	HI	0.47 SE	15
21	FEDWELLS	3-2256-02 W183 FW-HI-1472/USGS GROUNDWATER INV	HI	0.49 NE	21
22	FEDWELLS	3-2256-01 W182 FW-HI-1439/USGS GROUNDWATER INV	HI	0.49 NE	20
23	RCRACOR	PEARL HARBOR SHIPYARD AND MAINT F HI6170024339/CA	PEARL HARBOR NAVAL BASE PEARL HARBOR HI 96860	0.98 SW	1

# Environmental FirstSearch

## Sites Summary Report

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

**TOTAL:** 52      **GEOCODED:** 25      **NON GEOCODED:** 27      **SELECTED:** 0

Page No.	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID
26	ERNS	AIRCO 200825/FIXED FACILITY	AIRCO 2305 KAMEHAMEHA HWY HONOLULU HI	NON GC	
27	FINDS	INTEGRATED MEDIA INC HI0000900670	2908 KAMEHAMEHA HWY STE 101 HONOLULU HI 96818	NON GC	
27	FINDS	NAVY MONTESSORI SCH HI0000321430	BD 81, 54 MAKALAPA DR, MKL HORDLATHS HI 96818	NON GC	
27	FINDS	TONY HONDA PEARLRIDGE HID981638059	98051 KAMEHAMEHA HWY ALEA HI 96701	NON GC	
28	FINDS	HAWAIIAN ELECTRIC WAIU GEN STATIO HIT000610873	559 KAMEHAMEHA HWY AIEA HI 96701	NON GC	
28	FINDS	USDOD FLEET AND INDUSTRIAL SUPPLY HI0002381796	BLDG 229 MAKALAPA GATE PEARL HARBOR HI 96860	NON GC	
29	HISTSITES	WAR MEMORIAL NATATORIUM 80001283/STRUCTURE	KALAKAUA AVE. HONOLULU HI	NON GC	
30	HISTSITES	BATTERY SELFRIDGE 84000975/BUILDING	FT. KAMEHAMEHA HONOLULU HI	NON GC	
31	HISTSITES	BATTERY JACKSON 84000954/STRUCTURE	FT. KAMEHAMEHA HONOLULU HI	NON GC	
32	HISTSITES	BATTERY HASEBROUCK 84000925/BUILDING	FT. KAMEHAMEHA HONOLULU HI	NON GC	
33	HISTSITES	BATTERY HAWKINS ANNEX 84000948/STRUCTURE	FT. KAMEHAMEHA HONOLULU HI	NON GC	
34	HMIRS	BHP PETROLEUM REFINING INC 1996050639/HIGHWAY (FOR HIRE)	64 1551 KAMEHAMEHA HWY HONOLULU HI	NON GC	
37	LUST	CUTTER FORD INC. 9-200188	98-015 KAMEHAMEHA HWY AIEA HI 96701	NON GC	
37	LUST	MCGREW POINT AREA  9-102171	MCGREW LOOP X KAMEHAMEHA HW  AIEA HI 96701	NON GC	
38	LUST	PEARL AUTO SERVICE & SUPPLY INC. 9-200293	98-064 KAMEHAMEHA HWY AIEA HI 96701	NON GC	
38	LUST	FLEET INTELLIGENCE CENTER PACIFIC 9-100991	BLDG 352, MAKALAPA CRATER, PEARL HARBOR HI 96860	NON GC	
39	NFRAP	HAWAIIAN ELECTRIC CO WAIU GEN STA HIT000610873/NFRAP-N	559 KAMEHAMEHA HWY AIEA HI 96701	NON GC	
39	RCRAGN	MOANALUA TERRACE NAVAL HOUSING ARE  HIR000135699/VGN	2500 RADFORD DR HONOLULU HI 96818	NON GC	
40	RCRAGN	NAVY PWC - MAKALAPA COMPOUND HI0170090005/LGN	MAKALAPA COMPOUND PEARL HARBOR HI 96860	NON GC	
41	RCRAGN	CHEVRON 93970 HIR000136838/VGN	98 121 KAMEHAMEHA HWY AIEA HI 96701	NON GC	

***Environmental FirstSearch  
Sites Summary Report***

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

**TOTAL:** 52      **GEOCODED:** 25      **NON GEOCODED:** 27      **SELECTED:** 0

Page No.	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID
41	RCRAGN	TONY HONDA PEARLRIDGE HID981638059/VGN	98051 KAMEHAMEHA HWY ALEA HI 96701	NON GC	
42	RCRANLR	USNAVY FLEET AND INDUSTRIAL SUPPLY HI1170024342/NLR	BLDG 229 MAKALAPA GATE PEARL HARBOR HI 96860	NON GC	
44	RCRANLR	WASTE MANAGEMENT OF HAWAII INC HID981619034/NLR	98 021 KAMEHAMEHA HWY AIEA HI 96701	NON GC	
45	RCRANLR	TONY HONDA PEARLRIDGE HID981638059/NLR	98051 KAMEHAMEHA HWY ALEA HI 96701	NON GC	
46	TOWERS	VOICESTREAM PCS III CORPORATION 1222202/ASR	515 MAIN STREET, HICKMAN AI HONOLULU HI	NON GC	
47	UST	FLEET INTELLIGENCE CENTER PACIFIC 9-100991/CURRENTLY IN USE	BLDG 352, MAKALAPA CRATER PEARL HARBOR HI 96860	NON GC	
48	UST	NAVAL WESTERN OCEANOGRAPHY CENTER 9-102465/CURRENTLY IN USE	BLDG 398 MAKALAPA CRATER PEARL HARBOR HI 96860	NON GC	

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

**FEDERAL LAND USE**

<b>SEARCH ID:</b> 11	<b>DIST/DIR:</b> 0.00 --	<b>MAP ID:</b> 11
----------------------	--------------------------	-------------------

<b>NAME:</b> NAVY DOD PEARL HARBOR NAVAL STATION <b>ADDRESS:</b> HI  <b>CONTACT:</b>	<b>REV:</b> 1/27/05 <b>ID1:</b> 45978 <b>ID2:</b> <b>STATUS:</b> <b>PHONE:</b>
---	--

**FEDERAL LAND INFORMATION**

<b>NAME:</b>	PEARL HARBOR NAVAL STATION
<b>FEATURE:</b>	NAVY DOD
<b>ADMINISTERING AGENCY:</b>	DOD
<b>STATE FIPS:</b>	15
<b>AREA:</b>	0.001
<b>PERIMETER:</b>	0.238

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

NCDB

**SEARCH ID:** 22      **DIST/DIR:** 0.00 --      **MAP ID:** 22

<b>NAME:</b> NAVY MONTESSORI SCHOOL	<b>REV:</b> 4/30/04
<b>ADDRESS:</b> BLDG 81 54 MAKALAPA DR	<b>ID1:</b> NCDB-0801-069273
HONOLULU HI 96818	<b>ID2:</b> 19910919HI906 1
HONOLULU	<b>STATUS:</b> TSCA
<b>CONTACT:</b>	<b>PHONE:</b>

**SITE INFORMATION**

<b>EPA REGION:</b> 09	<b>INSPECTION REG OR ST:</b> HI
<b>INSPECTOR ID:</b> HI906	<b>INSPECTION DATE:</b> 9/19/91
<b>INSPECTOR NAME:</b> T. LILEIKIS	<b>NUMBER OF SAMPLES:</b> 0
<b>NUMBER OF AUDITS:</b> 0	<b>DUNN &amp; BRAD NUMBER:</b>
<b>FEDERAL FACILITY:</b> N	<b>LEGISLATION CODE:</b> T
<b>NUMBER OF SCHOOLS:</b> 1	<b>SCHOOL TYPE:</b> N - PRIVATE NON-CATHOLIC
<b>EPA PESTICIDE ID:</b>	<b>EPA FIFRA REG ID:</b>

**FACILITY FUNCTION:** US - USER

**INVESTIGATION TYPE:** AES - AHERA, ENFORCEMENT, STATE CONDUCTED

**REASON:** NSS - NEUTRAL SCHEME, STATE

**REFERRAL TYPE :**

**PRINT INFO:** NAVY MONTESSORI SCHOOL  
BLDG 81 54 MAKALAPA DR MKL  
HONOLULU HI 96818-

**SIC INFORMATION:**

**SIC #1:**

**SIC #2:**

**SIC #3:**

**SIC #4:**

**SIC #5:**

**SIC #6:**

**SAMPLE INFORMATION**

**CASE REVIEW INFORMATION:**

<b>SAMPLE NUMBER:</b> 0	<b>ACTION WARRANTED:</b> N
<b>DOCKET NUMBER:</b>	<b>CASE NUMBER:</b>
<b>START DATE:</b> 9/19/91	<b>COMPLETION DATE:</b> 10/17/91

**IMPORT INFORMATION**

- Continued on next page -

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

NCDB

<b>SEARCH ID:</b> 22	<b>DIST/DIR:</b> 0.00 --	<b>MAP ID:</b> 22
----------------------	--------------------------	-------------------

<b>NAME:</b> NAVY MONTESSORI SCHOOL <b>ADDRESS:</b> BLDG 81 54 MAKALAPA DR HONOLULU HI 96818 HONOLULU <b>CONTACT:</b>	<b>REV:</b> 4/30/04 <b>ID1:</b> NCDB-0801-069273 <b>ID2:</b> 19910919HI906 1 <b>STATUS:</b> TSCA <b>PHONE:</b>
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**REFERRAL INFORMATION:**



***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

**WETLANDS**

**SEARCH ID:** 7      **DIST/DIR:** 0.00 --      **MAP ID:** 7

**NAME:** NATIONAL WETLANDS INVENTORY      **REV:** 2/27/02  
**ADDRESS:** HI      **ID1:** NWI-HI-1666  
      **ID2:**  
**CONTACT:**      **STATUS:** E1OWL  
      **PHONE:**

**SITE INFORMATION**

**AREA:** 12849569.07  
**PERIMETER:** 67262.89  
**WETC:** 6  
**WETC\_ID:** 22  
**ATTRIBUTE:** E1OWL

**TOWERS**

**SEARCH ID:** 24      **DIST/DIR:** 0.05 SE      **MAP ID:** 24

**NAME:** NEXTEL COMMUNICATIONS HAWAII      **REV:** 01/04/04  
**ADDRESS:** FOSTER VILLAGE HI      **ID1:** 00-AWP-1898-OE  
      **ID2:**  
**CONTACT:**      **STATUS:** ASR-DE  
      **PHONE:**

**ANTENNA STRUCTURE REGISTRATION - FAA DETERMINATION RECORDS**

The Antenna Structure Registration database contains antenna structures that generally are more than 60.96 meters(200 feet) in height or are located near an airport. This record does not appear in the ASR registration records but does appear in the FAA Determination Records for the ASR database. Records in the FAA Determination Database may not have been built.

**FAA DATE ISSUED:** 8/11/2000  
**FAA DATE KEYED:**  
**FAA DATE EXPIRATION:** 02/11/2002  
**DATE ACTION:** 8/22/2000  
**FAA FINAL DATE:**  
**GROUND ELEVATION:** 3  
**OVERALL HEIGHT OF STRUCTURE:** 48.8  
**OVERALL HEIGHT AMSL:** 51.8  
**FAA STUDY NUMBER:** 00-AWP-1898-OE  
**FAA CIRCULAR NUMBER:**

<b>TARGET SITE:</b>	MAKALAPA NAVAL FAMILY HOUSING HONOLULU HI 96818	<b>JOB:</b>	904283 HAWAII NAVAL HOUSING
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TOWERS			
<b>SEARCH ID:</b>	23	<b>DIST/DIR:</b>	0.07 SE
		<b>MAP ID:</b>	23
<b>NAME:</b>	CELLCO PARTNERSHIP	<b>REV:</b>	01/04/04
<b>ADDRESS:</b>	FOSTER VILLAGE HI	<b>ID1:</b>	02-AWP-1316-OE
		<b>ID2:</b>	
<b>CONTACT:</b>		<b>STATUS:</b>	ASR-DE
		<b>PHONE:</b>	
<b>ANTENNA STRUCTURE REGISTRATION - FAA DETERMINATION RECORDS</b> The Antenna Structure Registration database contains antenna structures that generally are more than 60.96 meters(200 feet) in height or are located near an airport. This record does not appear in the ASR registration records but does appear in the FAA Determination Records for the ASR database. Records in the FAA Determination Database may not have been built.			
<b>FAA DATE ISSUED:</b>	6/10/2002		
<b>FAA DATE KEYED:</b>			
<b>FAA DATE EXPIRATION:</b>	12/10/2003		
<b>DATE ACTION:</b>	6/18/2002		
<b>FAA FINAL DATE:</b>			
<b>GROUND ELEVATION:</b>	6.1		
<b>OVERALL HEIGHT OF STRUCTURE:</b>	40.8		
<b>OVERALL HEIGHT AMSL:</b>	46.9		
<b>FAA STUDY NUMBER:</b>	02-AWP-1316-OE		
<b>FAA CIRCULAR NUMBER:</b>			

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

**FEDERAL WELLS SITE**

**SEARCH ID:** 19      **DIST/DIR:** 0.09 NE      **MAP ID:** 19

<b>NAME:</b> 3-2156-04 W176-1 HAL	<b>REV:</b> 5/19/03
<b>ADDRESS:</b> HI	<b>ID1:</b> FW-HI-1410
HONOLULU COUNTY HI	<b>ID2:</b> 212158157562101
<b>CONTACT:</b>	<b>STATUS:</b> USGS GROUNDWATER INV
	<b>PHONE:</b>

**SITE INFORMATION**

<b>AGENCY:</b>	USGS
<b>SITE ID:</b>	212158157562101
<b>SITE NAME:</b>	3-2156-04 W176-1 HAL
<b>SITE TYPE :</b>	GROUND-WATER OTHER THAN SPRING
<b>COUNTY :</b>	HONOLULU COUNTY HI
<b>COUNTRY :</b>	US
<b>LAND NET LOCATION DESC:</b>	
<b>LOCATION MAP:</b>	10 PUULOA
<b>LOCATION MAP SCALE:</b>	24000
<b>GAGE/LAND SURFACE ALTITUDE:</b>	8.00
<b>METHOD ALTITUDE DETERMINED:</b>	M
<b>ALTITUDE ACCURACY:</b>	2
<b>ALTITUDE DATUM:</b>	NGVD29
<b>HYDROLOGIC UNIT :</b>	OAHU
<b>DRAINAGE BASIN :</b>	
<b>TOPOGRAPHIC SETTING :</b>	
<b>AGENCY USE OF SITE :</b>	INACTIVE OR DISCONTINUED DATA-COLLECTION SITE
<b>DATE OF FIRST CONSTRUCTION:</b>	19410610
<b>DATE SITE ESTABLISHED:</b>	
<b>DRAINAGE AREA:</b>	
<b>CONTRIBUTING DRAINAGE AREA:</b>	
<b>MEAN GREENWICH TIME OFFSET:</b>	HST
<b>LOCAL STANDARD TIME FLAG:</b>	N
<b>DATA RELIABILITY CODE :</b>	U
<b>OTHER GW FILES:</b>	YYNNNNNN
<b>TYPE OF GROUNDWATER SITE:</b>	W
<b>PRIMARY AQUIFER :</b>	
<b>AQUIFER TYPE :</b>	
<b>WELL_DEPTH VA:</b>	186
<b>HOLE DEPTH:</b>	
<b>DEPTH DATA SOURCE:</b>	
<b>PROJECT NUMBER:</b>	

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

**FEDERAL WELLS SITE**

**SEARCH ID:** 18      **DIST/DIR:** 0.11 SE      **MAP ID:** 18

<b>NAME:</b> 3-2156-03 W176 HALAW	<b>REV:</b> 5/19/03
<b>ADDRESS:</b> HI	<b>ID1:</b> FW-HI-1378
HONOLULU COUNTY HI	<b>ID2:</b> 212142157561201
<b>CONTACT:</b>	<b>STATUS:</b> USGS GROUNDWATER INV
	<b>PHONE:</b>

**SITE INFORMATION**

<b>AGENCY:</b>	USGS
<b>SITE ID:</b>	212142157561201
<b>SITE NAME:</b>	3-2156-03 W176 HALAW
<b>SITE TYPE :</b>	GROUND-WATER OTHER THAN SPRING
<b>COUNTY :</b>	HONOLULU COUNTY HI
<b>COUNTRY :</b>	US
<b>LAND NET LOCATION DESC:</b>	
<b>LOCATION MAP:</b>	10 PUULOA
<b>LOCATION MAP SCALE:</b>	24000
<b>GAGE/LAND SURFACE ALTITUDE:</b>	10.00
<b>METHOD ALTITUDE DETERMINED:</b>	M
<b>ALTITUDE ACCURACY:</b>	2
<b>ALTITUDE DATUM:</b>	NGVD29
<b>HYDROLOGIC UNIT :</b>	OAHU
<b>DRAINAGE BASIN :</b>	
<b>TOPOGRAPHIC SETTING :</b>	
<b>AGENCY USE OF SITE :</b>	INACTIVE OR DISCONTINUED DATA-COLLECTION SITE
<b>DATE OF FIRST CONSTRUCTION:</b>	
<b>DATE SITE ESTABLISHED:</b>	
<b>DRAINAGE AREA:</b>	
<b>CONTRIBUTING DRAINAGE AREA:</b>	
<b>MEAN GREENWICH TIME OFFSET:</b>	HST
<b>LOCAL STANDARD TIME FLAG:</b>	N
<b>DATA RELIABILITY CODE :</b>	U
<b>OTHER GW FILES:</b>	YYNNNNNN
<b>TYPE OF GROUNDWATER SITE:</b>	W
<b>PRIMARY AQUIFER :</b>	
<b>AQUIFER TYPE :</b>	
<b>WELL_DEPTH VA:</b>	623
<b>HOLE DEPTH:</b>	
<b>DEPTH DATA SOURCE:</b>	
<b>PROJECT NUMBER:</b>	

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

**TOWERS**

<b>SEARCH ID:</b> 25	<b>DIST/DIR:</b> 0.12 SW	<b>MAP ID:</b> 25
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<b>NAME:</b> <b>ADDRESS:</b> HONOLULU HI	<b>REV:</b> 01/04/04 <b>ID1:</b> 12-0295 <b>ID2:</b> <b>STATUS:</b> DOF <b>PHONE:</b>
<b>CONTACT:</b>	

**AA S DIGITAL OBSTACLE FILE**

The Digital Obstacle File describes all obstacles of interest to aviation users in the U.S. It contains obstruction data fo those man made objects which affect domestic aeronautical charting products.

<b>VERIFICATION STATUS:</b>	VERIFIED
<b>OBSTACLE TYPE:</b>	BLDG
<b>FREQUENCY:</b>	
<b>ABOVE GROUND LEVEL HEIGHT:</b>	0230
<b>ABOVE MEAN SEA LEVEL HEIGHT:</b>	00241
<b>STROBE INDICATOR:</b>	
<b>HORIZONTAL ACCURACY:</b>	+50
<b>VERTICAL ACCURACY:</b>	+20
<b>PAINTED OR MARKED?:</b>	N
b1 FAA STUDY NUMBER:	99OC0754

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

**RCRA GENERATOR SITE**

<b>SEARCH ID:</b> 2	<b>DIST/DIR:</b> 0.13 SE	<b>MAP ID:</b> 2
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<b>NAME:</b> ACCESS BUSINESS GROUP L L C PACIFIC ISLA <b>ADDRESS:</b> 4444 MALAAI ST HONOLULU HI 96818 HONOLULU <b>CONTACT:</b> (b) (6)	<b>REV:</b> 12/10/05 <b>ID1:</b> HIR000034421 <b>ID2:</b> <b>STATUS:</b> VGN <b>PHONE:</b> 8084229482
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**SITE INFORMATION**

**UNIVERSE TYPE:**

CEG - CONDITIONALLY EXEMPT SMALL QUANTITY GENERATORS: GENERATES LESS THAN 100 KG/MONTH OF HAZARDOUS WASTE

**SIC INFORMATION:**

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

FINDS SITE												
<table style="width: 100%;"><tr><td style="width: 33%;"><b>SEARCH ID:</b> 3</td><td style="width: 33%;"><b>DIST/DIR:</b> 0.14 SE</td><td style="width: 33%;"><b>MAP ID:</b> 4</td></tr><tr><td><b>NAME:</b> 3M CO <b>ADDRESS:</b> 4443 MALAAI ST HONOLULU HI 96820</td><td><b>REV:</b> <b>ID1:</b> HID097691877 <b>ID2:</b> <b>STATUS:</b> <b>PHONE:</b></td><td></td></tr><tr><td colspan="3"><b>CONTACT:</b></td></tr><tr><td colspan="3">DETAILS NOT AVAILABLE</td></tr></table>	<b>SEARCH ID:</b> 3	<b>DIST/DIR:</b> 0.14 SE	<b>MAP ID:</b> 4	<b>NAME:</b> 3M CO <b>ADDRESS:</b> 4443 MALAAI ST HONOLULU HI 96820	<b>REV:</b> <b>ID1:</b> HID097691877 <b>ID2:</b> <b>STATUS:</b> <b>PHONE:</b>		<b>CONTACT:</b>			DETAILS NOT AVAILABLE		
<b>SEARCH ID:</b> 3	<b>DIST/DIR:</b> 0.14 SE	<b>MAP ID:</b> 4										
<b>NAME:</b> 3M CO <b>ADDRESS:</b> 4443 MALAAI ST HONOLULU HI 96820	<b>REV:</b> <b>ID1:</b> HID097691877 <b>ID2:</b> <b>STATUS:</b> <b>PHONE:</b>											
<b>CONTACT:</b>												
DETAILS NOT AVAILABLE												

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

**REGISTERED UNDERGROUND STORAGE TANKS**

**SEARCH ID:** 4      **DIST/DIR:** 0.17 SE      **MAP ID:** 6

**NAME:** TESORO GAS EXPRESS #19      **REV:** 08/01/05  
**ADDRESS:** 4259 LAWEHANA ST      **ID1:** 9-101385  
HONOLULU HI 96818      **ID2:**  
**CONTACT:**      **STATUS:** CURRENTLY IN USE  
   **PHONE:**

**Tank ID Number:** 87  
**Tank Status Description:** *Currently in Use*  
**Tank Capacity:** 10000  
**Substance Description:** *Gasoline*  
**Construction Material:** *Fiberglass Reinforced Plastic*  
**Date Installed:** 6/26/1986  
**Date Closed:**

**Owner Name:** *TESORO HAWAII CORPORATION 733 BISHOP ST, SUITE 2700 , P.O. BOX 3379*  
*Honolulu HI 96818*

**Tank ID Number:** 89  
**Tank Status Description:** *Currently in Use*  
**Tank Capacity:** 10000  
**Substance Description:** *Gasoline*  
**Construction Material:** *Fiberglass Reinforced Plastic*  
**Date Installed:** 6/26/1986  
**Date Closed:**

**Owner Name:** *TESORO HAWAII CORPORATION 733 BISHOP ST, SUITE 2700 , P.O. BOX 3379*  
*Honolulu HI 96818*

**Tank ID Number:** 92  
**Tank Status Description:** *Currently in Use*  
**Tank Capacity:** 10000  
**Substance Description:** *Gasoline*  
**Construction Material:** *Fiberglass Reinforced Plastic*  
**Date Installed:** 6/26/1986  
**Date Closed:**

**Owner Name:** *TESORO HAWAII CORPORATION 733 BISHOP ST, SUITE 2700 , P.O. BOX 3379*  
*Honolulu HI 96818*

**Tank ID Number:** *diesel #2*  
**Tank Status Description:** *Currently in Use*  
**Tank Capacity:** 10000  
**Substance Description:** *Diesel*  
**Construction Material:** *Fiberglass Reinforced Plastic*  
**Date Installed:** 8/31/1991  
**Date Closed:**

**Owner Name:** *TESORO HAWAII CORPORATION 733 BISHOP ST, SUITE 2700 , P.O. BOX 3379*  
*Honolulu HI 96818*



***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

**FEDERAL WELLS SITE**

**SEARCH ID:** 17      **DIST/DIR:** 0.34 SE      **MAP ID:** 17

<b>NAME:</b> 3-2156-02 W172 HALAW	<b>REV:</b> 5/19/03
<b>ADDRESS:</b> HI	<b>ID1:</b> FW-HI-1351
HONOLULU COUNTY HI	<b>ID2:</b> 212130157560201
<b>CONTACT:</b>	<b>STATUS:</b> USGS GROUNDWATER INV
	<b>PHONE:</b>

**SITE INFORMATION**

<b>AGENCY:</b>	USGS
<b>SITE ID:</b>	212130157560201
<b>SITE NAME:</b>	3-2156-02 W172 HALAW
<b>SITE TYPE :</b>	GROUND-WATER OTHER THAN SPRING
<b>COUNTY :</b>	HONOLULU COUNTY HI
<b>COUNTRY :</b>	US
<b>LAND NET LOCATION DESC:</b>	
<b>LOCATION MAP:</b>	10 PUULOA
<b>LOCATION MAP SCALE:</b>	24000
<b>GAGE/LAND SURFACE ALTITUDE:</b>	33.00
<b>METHOD ALTITUDE DETERMINED:</b>	M
<b>ALTITUDE ACCURACY:</b>	5
<b>ALTITUDE DATUM:</b>	NGVD29
<b>HYDROLOGIC UNIT :</b>	OAHU
<b>DRAINAGE BASIN :</b>	
<b>TOPOGRAPHIC SETTING :</b>	
<b>AGENCY USE OF SITE :</b>	INACTIVE OR DISCONTINUED DATA-COLLECTION SITE
<b>DATE OF FIRST CONSTRUCTION:</b>	
<b>DATE SITE ESTABLISHED:</b>	
<b>DRAINAGE AREA:</b>	
<b>CONTRIBUTING DRAINAGE AREA:</b>	
<b>MEAN GREENWICH TIME OFFSET:</b>	HST
<b>LOCAL STANDARD TIME FLAG:</b>	N
<b>DATA RELIABILITY CODE :</b>	U
<b>OTHER GW FILES:</b>	YYNNNNNN
<b>TYPE OF GROUNDWATER SITE:</b>	W
<b>PRIMARY AQUIFER :</b>	
<b>AQUIFER TYPE :</b>	
<b>WELL_DEPTH VA:</b>	730
<b>HOLE DEPTH:</b>	
<b>DEPTH DATA SOURCE:</b>	
<b>PROJECT NUMBER:</b>	

***Environmental FirstSearch***  
***Site Detail Report***

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

FEDERAL WELLS SITE

**SEARCH ID:** 16      **DIST/DIR:** 0.34 SE      **MAP ID:** 16

<b>NAME:</b> 3-2156-01 W171 HALAW	<b>REV:</b> 5/19/03
<b>ADDRESS:</b> HI	<b>ID1:</b> FW-HI-1350
HONOLULU COUNTY HI	<b>ID2:</b> 212127157560501
<b>CONTACT:</b>	<b>STATUS:</b> USGS GROUNDWATER INV
	<b>PHONE:</b>

**SITE INFORMATION**

<b>AGENCY:</b>	USGS
<b>SITE ID:</b>	212127157560501
<b>SITE NAME:</b>	3-2156-01 W171 HALAW
<b>SITE TYPE :</b>	GROUND-WATER OTHER THAN SPRING
<b>COUNTY :</b>	HONOLULU COUNTY HI
<b>COUNTRY :</b>	US
<b>LAND NET LOCATION DESC:</b>	
<b>LOCATION MAP:</b>	10 PUULOA
<b>LOCATION MAP SCALE:</b>	24000
<b>GAGE/LAND SURFACE ALTITUDE:</b>	25.00
<b>METHOD ALTITUDE DETERMINED:</b>	M
<b>ALTITUDE ACCURACY:</b>	5
<b>ALTITUDE DATUM:</b>	NGVD29
<b>HYDROLOGIC UNIT :</b>	OAHU
<b>DRAINAGE BASIN :</b>	
<b>TOPOGRAPHIC SETTING :</b>	
<b>AGENCY USE OF SITE :</b>	INACTIVE OR DISCONTINUED DATA-COLLECTION SITE
<b>DATE OF FIRST CONSTRUCTION:</b>	
<b>DATE SITE ESTABLISHED:</b>	
<b>DRAINAGE AREA:</b>	
<b>CONTRIBUTING DRAINAGE AREA:</b>	
<b>MEAN GREENWICH TIME OFFSET:</b>	HST
<b>LOCAL STANDARD TIME FLAG:</b>	N
<b>DATA RELIABILITY CODE :</b>	U
<b>OTHER GW FILES:</b>	YYNNNNNN
<b>TYPE OF GROUNDWATER SITE:</b>	W
<b>PRIMARY AQUIFER :</b>	
<b>AQUIFER TYPE :</b>	
<b>WELL_DEPTH VA:</b>	608
<b>HOLE DEPTH:</b>	
<b>DEPTH DATA SOURCE:</b>	
<b>PROJECT NUMBER:</b>	

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

**FEDERAL LAND USE**

<b>SEARCH ID:</b> 10	<b>DIST/DIR:</b> 0.38 NW	<b>MAP ID:</b> 10
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<b>NAME:</b> NAVY DOD FORD ISLAND NAVAL STATION ANNEX <b>ADDRESS:</b> HI  <b>CONTACT:</b>	<b>REV:</b> 1/27/05 <b>ID1:</b> 45980 <b>ID2:</b> <b>STATUS:</b> <b>PHONE:</b>
--	--

**FEDERAL LAND INFORMATION**

<b>NAME:</b>	FORD ISLAND NAVAL STATION ANNEX
<b>FEATURE:</b>	NAVY DOD
<b>ADMINISTERING AGENCY:</b>	DOD
<b>STATE FIPS:</b>	15
<b>AREA:</b>	0
<b>PERIMETER:</b>	0.044

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

**FEDERAL WELLS SITE**

**SEARCH ID:** 12      **DIST/DIR:** 0.38 SE      **MAP ID:** 12

<b>NAME:</b> 3-2155-01 W173 HALAW <b>ADDRESS:</b> HI HONOLULU COUNTY HI <b>CONTACT:</b>	<b>REV:</b> 5/19/03 <b>ID1:</b> FW-HI-1367 <b>ID2:</b> 212134157555801 <b>STATUS:</b> USGS GROUNDWATER INV <b>PHONE:</b>
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**SITE INFORMATION**

<b>AGENCY:</b>	USGS
<b>SITE ID:</b>	212134157555801
<b>SITE NAME:</b>	3-2155-01 W173 HALAW
<b>SITE TYPE :</b>	GROUND-WATER OTHER THAN SPRING
<b>COUNTY :</b>	HONOLULU COUNTY HI
<b>COUNTRY :</b>	US
<b>LAND NET LOCATION DESC:</b>	
<b>LOCATION MAP:</b>	10 PUULOA
<b>LOCATION MAP SCALE:</b>	24000
<b>GAGE/LAND SURFACE ALTITUDE:</b>	21.00
<b>METHOD ALTITUDE DETERMINED:</b>	M
<b>ALTITUDE ACCURACY:</b>	5
<b>ALTITUDE DATUM:</b>	NGVD29
<b>HYDROLOGIC UNIT :</b>	OAHU
<b>DRAINAGE BASIN :</b>	
<b>TOPOGRAPHIC SETTING :</b>	
<b>AGENCY USE OF SITE :</b>	INACTIVE OR DISCONTINUED DATA-COLLECTION SITE
<b>DATE OF FIRST CONSTRUCTION:</b>	
<b>DATE SITE ESTABLISHED:</b>	
<b>DRAINAGE AREA:</b>	
<b>CONTRIBUTING DRAINAGE AREA:</b>	
<b>MEAN GREENWICH TIME OFFSET:</b>	HST
<b>LOCAL STANDARD TIME FLAG:</b>	N
<b>DATA RELIABILITY CODE :</b>	U
<b>OTHER GW FILES:</b>	YYNNNNNN
<b>TYPE OF GROUNDWATER SITE:</b>	W
<b>PRIMARY AQUIFER :</b>	
<b>AQUIFER TYPE :</b>	
<b>WELL_DEPTH VA:</b>	740
<b>HOLE DEPTH:</b>	
<b>DEPTH DATA SOURCE:</b>	
<b>PROJECT NUMBER:</b>	

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING **JOB:** 904283  
HONOLULU HI 96818 HAWAII NAVAL HOUSING

LEAKING UNDERGROUND STORAGE TANKS					
<b>SEARCH ID:</b>	6	<b>DIST/DIR:</b>	0.42 NE	<b>MAP ID:</b>	5
<b>NAME:</b>	FASTOP STADIUM MALL		<b>REV:</b>	02/11/05	
<b>ADDRESS:</b>	4510 SALT LAKE BLVD HONOLULU HI 96819		<b>ID1:</b>	9-101200	
<b>CONTACT:</b>			<b>ID2:</b>		
			<b>STATUS:</b>		
			<b>PHONE:</b>		
<b>Event ID Number:</b>	970115				
<b>Facility ID Number:</b>	9-101200				
<b>Status Date:</b>	11/26/2001				
<b>Status:</b>	Site Cleanup Completed				
<b>Project Officer</b>	(b) (6)				

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

**LEAKING UNDERGROUND STORAGE TANKS**

**SEARCH ID:** 5      **DIST/DIR:** 0.42 NE      **MAP ID:** 3

<b>NAME:</b> CHEVRON SS #208878 DBA SALT LAKE CHEVRON\ <b>ADDRESS:</b> 4561 SALT LAKE BLVD HONOLULU HI 96818	<b>REV:</b> 02/11/05 <b>ID1:</b> 9-100849 <b>ID2:</b> <b>STATUS:</b> <b>PHONE:</b>
<b>CONTACT:</b>	

<b>Event ID Number:</b>	980041
<b>Facility ID Number:</b>	9-100849
<b>Status Date:</b>	9/9/1997
<b>Status:</b>	Site Cleanup Completed
<b>Project Officer</b>	Assigned

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

**FEDERAL WELLS SITE**

**SEARCH ID:** 14      **DIST/DIR:** 0.42 SE      **MAP ID:** 14

<b>NAME:</b> 3-2155-03 W175 HALAW	<b>REV:</b> 5/19/03
<b>ADDRESS:</b> HI	<b>ID1:</b> FW-HI-1377
HONOLULU COUNTY HI	<b>ID2:</b> 212142157555401
<b>CONTACT:</b>	<b>STATUS:</b> USGS GROUNDWATER INV
	<b>PHONE:</b>

**SITE INFORMATION**

<b>AGENCY:</b>	USGS
<b>SITE ID:</b>	212142157555401
<b>SITE NAME:</b>	3-2155-03 W175 HALAW
<b>SITE TYPE :</b>	GROUND-WATER OTHER THAN SPRING
<b>COUNTY :</b>	HONOLULU COUNTY HI
<b>COUNTRY :</b>	US
<b>LAND NET LOCATION DESC:</b>	
<b>LOCATION MAP:</b>	10 PUULOA
<b>LOCATION MAP SCALE:</b>	24000
<b>GAGE/LAND SURFACE ALTITUDE:</b>	23.00
<b>METHOD ALTITUDE DETERMINED:</b>	M
<b>ALTITUDE ACCURACY:</b>	5
<b>ALTITUDE DATUM:</b>	NGVD29
<b>HYDROLOGIC UNIT :</b>	OAHU
<b>DRAINAGE BASIN :</b>	
<b>TOPOGRAPHIC SETTING :</b>	
<b>AGENCY USE OF SITE :</b>	INACTIVE OR DISCONTINUED DATA-COLLECTION SITE
<b>DATE OF FIRST CONSTRUCTION:</b>	
<b>DATE SITE ESTABLISHED:</b>	
<b>DRAINAGE AREA:</b>	
<b>CONTRIBUTING DRAINAGE AREA:</b>	
<b>MEAN GREENWICH TIME OFFSET:</b>	HST
<b>LOCAL STANDARD TIME FLAG:</b>	N
<b>DATA RELIABILITY CODE :</b>	U
<b>OTHER GW FILES:</b>	YYNNNNNN
<b>TYPE OF GROUNDWATER SITE:</b>	W
<b>PRIMARY AQUIFER :</b>	
<b>AQUIFER TYPE :</b>	
<b>WELL_DEPTH VA:</b>	930
<b>HOLE DEPTH:</b>	
<b>DEPTH DATA SOURCE:</b>	
<b>PROJECT NUMBER:</b>	

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

**FEDERAL WELLS SITE**

**SEARCH ID:** 13      **DIST/DIR:** 0.42 SE      **MAP ID:** 13

<b>NAME:</b> 3-2155-02 W174 HALAW	<b>REV:</b> 5/19/03
<b>ADDRESS:</b> HI	<b>ID1:</b> FW-HI-1371
HONOLULU COUNTY HI	<b>ID2:</b> 212138157555501
<b>CONTACT:</b>	<b>STATUS:</b> USGS GROUNDWATER INV
	<b>PHONE:</b>

**SITE INFORMATION**

<b>AGENCY:</b>	USGS
<b>SITE ID:</b>	212138157555501
<b>SITE NAME:</b>	3-2155-02 W174 HALAW
<b>SITE TYPE :</b>	GROUND-WATER OTHER THAN SPRING
<b>COUNTY :</b>	HONOLULU COUNTY HI
<b>COUNTRY :</b>	US
<b>LAND NET LOCATION DESC:</b>	
<b>LOCATION MAP:</b>	10 PUULOA
<b>LOCATION MAP SCALE:</b>	24000
<b>GAGE/LAND SURFACE ALTITUDE:</b>	22.00
<b>METHOD ALTITUDE DETERMINED:</b>	M
<b>ALTITUDE ACCURACY:</b>	5
<b>ALTITUDE DATUM:</b>	NGVD29
<b>HYDROLOGIC UNIT :</b>	OAHU
<b>DRAINAGE BASIN :</b>	
<b>TOPOGRAPHIC SETTING :</b>	
<b>AGENCY USE OF SITE :</b>	INACTIVE OR DISCONTINUED DATA-COLLECTION SITE
<b>DATE OF FIRST CONSTRUCTION:</b>	
<b>DATE SITE ESTABLISHED:</b>	
<b>DRAINAGE AREA:</b>	
<b>CONTRIBUTING DRAINAGE AREA:</b>	
<b>MEAN GREENWICH TIME OFFSET:</b>	HST
<b>LOCAL STANDARD TIME FLAG:</b>	N
<b>DATA RELIABILITY CODE :</b>	U
<b>OTHER GW FILES:</b>	YYNNNNNN
<b>TYPE OF GROUNDWATER SITE:</b>	W
<b>PRIMARY AQUIFER :</b>	
<b>AQUIFER TYPE :</b>	
<b>WELL_DEPTH VA:</b>	800
<b>HOLE DEPTH:</b>	
<b>DEPTH DATA SOURCE:</b>	
<b>PROJECT NUMBER:</b>	



***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

**FEDERAL WELLS SITE**

**SEARCH ID:** 15      **DIST/DIR:** 0.47 SE      **MAP ID:** 15

<b>NAME:</b> 3-2155-05 W172-1 HAL	<b>REV:</b> 5/19/03
<b>ADDRESS:</b> HI	<b>ID1:</b> FW-HI-1366
HONOLULU COUNTY HI	<b>ID2:</b> 212134157555301
<b>CONTACT:</b>	<b>STATUS:</b> USGS GROUNDWATER INV
	<b>PHONE:</b>

**SITE INFORMATION**

<b>AGENCY:</b>	USGS
<b>SITE ID:</b>	212134157555301
<b>SITE NAME:</b>	3-2155-05 W172-1 HAL
<b>SITE TYPE :</b>	GROUND-WATER OTHER THAN SPRING
<b>COUNTY :</b>	HONOLULU COUNTY HI
<b>COUNTRY :</b>	US
<b>LAND NET LOCATION DESC:</b>	
<b>LOCATION MAP:</b>	10 PUULOA
<b>LOCATION MAP SCALE:</b>	24000
<b>GAGE/LAND SURFACE ALTITUDE:</b>	62.00
<b>METHOD ALTITUDE DETERMINED:</b>	M
<b>ALTITUDE ACCURACY:</b>	5
<b>ALTITUDE DATUM:</b>	NGVD29
<b>HYDROLOGIC UNIT :</b>	OAHU
<b>DRAINAGE BASIN :</b>	
<b>TOPOGRAPHIC SETTING :</b>	
<b>AGENCY USE OF SITE :</b>	INACTIVE OR DISCONTINUED DATA-COLLECTION SITE
<b>DATE OF FIRST CONSTRUCTION:</b>	19480101
<b>DATE SITE ESTABLISHED:</b>	
<b>DRAINAGE AREA:</b>	
<b>CONTRIBUTING DRAINAGE AREA:</b>	
<b>MEAN GREENWICH TIME OFFSET:</b>	HST
<b>LOCAL STANDARD TIME FLAG:</b>	N
<b>DATA RELIABILITY CODE :</b>	U
<b>OTHER GW FILES:</b>	YYNNNNNN
<b>TYPE OF GROUNDWATER SITE:</b>	W
<b>PRIMARY AQUIFER :</b>	
<b>AQUIFER TYPE :</b>	
<b>WELL_DEPTH VA:</b>	682
<b>HOLE DEPTH:</b>	
<b>DEPTH DATA SOURCE:</b>	
<b>PROJECT NUMBER:</b>	

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

**FEDERAL WELLS SITE**

**SEARCH ID:** 21      **DIST/DIR:** 0.49 NE      **MAP ID:** 21

<b>NAME:</b> 3-2256-02 W183	<b>REV:</b> 5/19/03
<b>ADDRESS:</b> HI	<b>ID1:</b> FW-HI-1472
HONOLULU COUNTY HI	<b>ID2:</b> 212223157560201
<b>CONTACT:</b>	<b>STATUS:</b> USGS GROUNDWATER INV
	<b>PHONE:</b>

**SITE INFORMATION**

<b>AGENCY:</b>	USGS
<b>SITE ID:</b>	212223157560201
<b>SITE NAME:</b>	3-2256-02 W183
<b>SITE TYPE :</b>	GROUND-WATER OTHER THAN SPRING
<b>COUNTY :</b>	HONOLULU COUNTY HI
<b>COUNTRY :</b>	US
<b>LAND NET LOCATION DESC:</b>	
<b>LOCATION MAP:</b>	10 PUULOA
<b>LOCATION MAP SCALE:</b>	24000
<b>GAGE/LAND SURFACE ALTITUDE:</b>	19.00
<b>METHOD ALTITUDE DETERMINED:</b>	M
<b>ALTITUDE ACCURACY:</b>	5
<b>ALTITUDE DATUM:</b>	NGVD29
<b>HYDROLOGIC UNIT :</b>	OAHU
<b>DRAINAGE BASIN :</b>	
<b>TOPOGRAPHIC SETTING :</b>	
<b>AGENCY USE OF SITE :</b>	INACTIVE OR DISCONTINUED DATA-COLLECTION SITE
<b>DATE OF FIRST CONSTRUCTION:</b>	
<b>DATE SITE ESTABLISHED:</b>	
<b>DRAINAGE AREA:</b>	
<b>CONTRIBUTING DRAINAGE AREA:</b>	
<b>MEAN GREENWICH TIME OFFSET:</b>	HST
<b>LOCAL STANDARD TIME FLAG:</b>	N
<b>DATA RELIABILITY CODE :</b>	U
<b>OTHER GW FILES:</b>	YYNNNNNN
<b>TYPE OF GROUNDWATER SITE:</b>	W
<b>PRIMARY AQUIFER :</b>	
<b>AQUIFER TYPE :</b>	
<b>WELL_DEPTH VA:</b>	
<b>HOLE DEPTH:</b>	
<b>DEPTH DATA SOURCE:</b>	
<b>PROJECT NUMBER:</b>	

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

**FEDERAL WELLS SITE**

**SEARCH ID:** 20      **DIST/DIR:** 0.49 NE      **MAP ID:** 20

<b>NAME:</b> 3-2256-01 W182	<b>REV:</b> 5/19/03
<b>ADDRESS:</b> HI	<b>ID1:</b> FW-HI-1439
HONOLULU COUNTY HI	<b>ID2:</b> 212219157560001
<b>CONTACT:</b>	<b>STATUS:</b> USGS GROUNDWATER INV
	<b>PHONE:</b>

**SITE INFORMATION**

<b>AGENCY:</b>	USGS
<b>SITE ID:</b>	212219157560001
<b>SITE NAME:</b>	3-2256-01 W182
<b>SITE TYPE :</b>	GROUND-WATER OTHER THAN SPRING
<b>COUNTY :</b>	HONOLULU COUNTY HI
<b>COUNTRY :</b>	US
<b>LAND NET LOCATION DESC:</b>	
<b>LOCATION MAP:</b>	10 PUULOA
<b>LOCATION MAP SCALE:</b>	24000
<b>GAGE/LAND SURFACE ALTITUDE:</b>	17.00
<b>METHOD ALTITUDE DETERMINED:</b>	M
<b>ALTITUDE ACCURACY:</b>	2
<b>ALTITUDE DATUM:</b>	NGVD29
<b>HYDROLOGIC UNIT :</b>	OAHU
<b>DRAINAGE BASIN :</b>	
<b>TOPOGRAPHIC SETTING :</b>	
<b>AGENCY USE OF SITE :</b>	INACTIVE OR DISCONTINUED DATA-COLLECTION SITE
<b>DATE OF FIRST CONSTRUCTION:</b>	
<b>DATE SITE ESTABLISHED:</b>	
<b>DRAINAGE AREA:</b>	
<b>CONTRIBUTING DRAINAGE AREA:</b>	
<b>MEAN GREENWICH TIME OFFSET:</b>	HST
<b>LOCAL STANDARD TIME FLAG:</b>	N
<b>DATA RELIABILITY CODE :</b>	U
<b>OTHER GW FILES:</b>	YYNNNNNN
<b>TYPE OF GROUNDWATER SITE:</b>	W
<b>PRIMARY AQUIFER :</b>	
<b>AQUIFER TYPE :</b>	
<b>WELL_DEPTH VA:</b>	272
<b>HOLE DEPTH:</b>	
<b>DEPTH DATA SOURCE:</b>	
<b>PROJECT NUMBER:</b>	

***Environmental FirstSearch***  
***Site Detail Report***

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

RCRA COR SITE

**SEARCH ID:** 1      **DIST/DIR:** 0.98 SW      **MAP ID:** 1

<b>NAME:</b> PEARL HARBOR SHIPYARD AND MAINT FAC	<b>REV:</b> 12/10/05
<b>ADDRESS:</b> PEARL HARBOR NAVAL BASE	<b>ID1:</b> HI6170024339
PEARL HARBOR HI 96860	<b>ID2:</b>
	<b>STATUS:</b> CA
<b>CONTACT:</b> (b) (6)	<b>PHONE:</b> 808-473-8000 4459

**SITE INFORMATION**

**CONTACT INFORMATION:** (b) (6) N  
O S H AND ENV D  
667 SAFEGUARD ST  
PEARL HARBOR HI 968605033

**PHONE:** 8084740230

**UNIVERSE NAME:**

TSDS SUBJECT TO CORRECTIVE ACT  
SUBJECT TO CORRECTIVE ACTION  
SUBJECT TO CEI  
ST: STORAGE AND TREATMENT  
DF: LAND DISPOSAL FACILITY  
INCINERATOR

**SIC INFORMATION:**

9711 - PUBLIC ADMIN. - NATIONAL SECURITY  
3731 - MANUFACTURING - SHIP BUILDING AND REPAIRING  
3731 - MANUFACTURING - SHIP BUILDING AND REPAIRING  
3731 - MANUFACTURING - SHIP BUILDING AND REPAIRING  
9711 - PUBLIC ADMIN. - NATIONAL SECURITY  
9711 - PUBLIC ADMIN. - NATIONAL SECURITY

**ENFORCEMENT INFORMATION:**

<b>AGENCY:</b>	E - EPA	<b>DATE:</b>	16-MAY-88
<b>TYPE:</b>	120 - WRITTEN INFORMAL		
<b>AGENCY:</b>	E - EPA	<b>DATE:</b>	16-DEC-85
<b>TYPE:</b>	120 - WRITTEN INFORMAL		
<b>AGENCY:</b>	S - STATE	<b>DATE:</b>	23-APR-96
<b>TYPE:</b>	310 - FINAL 3008(A) COMPLIANCE ORDER		
<b>AGENCY:</b>	E - EPA	<b>DATE:</b>	06-OCT-95
<b>TYPE:</b>	610 - FINAL CONSENT DECREES		
<b>AGENCY:</b>	S - STATE	<b>DATE:</b>	28-MAY-93
<b>TYPE:</b>	120 - WRITTEN INFORMAL		
<b>AGENCY:</b>	S - STATE	<b>DATE:</b>	18-SEP-90
<b>TYPE:</b>	120 - WRITTEN INFORMAL		
<b>AGENCY:</b>	S - STATE	<b>DATE:</b>	30-JUL-90
<b>TYPE:</b>	120 - WRITTEN INFORMAL		

**- Continued on next page -**

**Environmental FirstSearch**  
**Site Detail Report**

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

RCRA COR SITE

**SEARCH ID:** 1      **DIST/DIR:** 0.98 SW      **MAP ID:** 1

**NAME:** PEARL HARBOR SHIPYARD AND MAINT FAC      **REV:** 12/10/05  
**ADDRESS:** PEARL HARBOR NAVAL BASE      **ID1:** HI6170024339  
PEARL HARBOR HI 96860      **ID2:**  
**CONTACT:** (b) (6)      **STATUS:** CA  
      **PHONE:** 808-473-8000 4459

**AGENCY:** E - EPA      **DATE:** 15-JUN-89  
**TYPE:** 120 - WRITTEN INFORMAL

**AGENCY:** E - EPA      **DATE:** 16-MAY-88  
**TYPE:** 230 - INITIAL MONITORING, ANALYSIS, TEST ORDER

**AGENCY:** E - EPA      **DATE:** 14-DEC-89  
**TYPE:** 120 - WRITTEN INFORMAL

**VIOLATION INFORMATION:**

**VIOLATION NUMBER:** 0001      **RESPONSIBLE:** S - STATE  
**DETERMINED:** 27-MAR-86      **DETERMINED BY:** S - STATE  
**CITATION:** 270      **RESOLVED:** 09-JUN-86  
**TYPE:** DOT - TSD OTHER REQUIREMENTS (OVERSIGHT LEVEL)

**VIOLATION NUMBER:** 0001      **RESPONSIBLE:** E - EPA  
**DETERMINED:** 19-FEB-85      **DETERMINED BY:** E - EPA  
**CITATION:** 270      **RESOLVED:** 19-JAN-86  
**TYPE:** DOT - TSD OTHER REQUIREMENTS (OVERSIGHT LEVEL)

**VIOLATION NUMBER:** 0002      **RESPONSIBLE:** S - STATE  
**DETERMINED:** 21-AUG-86      **DETERMINED BY:** S - STATE  
**CITATION:** 270      **RESOLVED:** 10-SEP-87  
**TYPE:** DOT - TSD OTHER REQUIREMENTS (OVERSIGHT LEVEL)

**VIOLATION NUMBER:** 0002      **RESPONSIBLE:** E - EPA  
**DETERMINED:** 09-JUN-86      **DETERMINED BY:** E - EPA  
**CITATION:** 270      **RESOLVED:** 21-AUG-86  
**TYPE:** DOT - TSD OTHER REQUIREMENTS (OVERSIGHT LEVEL)

**VIOLATION NUMBER:** 0003      **RESPONSIBLE:** S - STATE  
**DETERMINED:** 03-MAY-90      **DETERMINED BY:** S - STATE  
**CITATION:** 270      **RESOLVED:** 30-SEP-91  
**TYPE:** DOT - TSD OTHER REQUIREMENTS (OVERSIGHT LEVEL)

**VIOLATION NUMBER:** 0004      **RESPONSIBLE:** E - EPA  
**DETERMINED:** 20-JUN-88      **DETERMINED BY:** E - EPA  
**CITATION:** 270      **RESOLVED:** 10-APR-89  
**TYPE:** DOT - TSD OTHER REQUIREMENTS (OVERSIGHT LEVEL)

**VIOLATION NUMBER:** 0004      **RESPONSIBLE:** S - STATE  
**DETERMINED:** 28-MAY-93      **DETERMINED BY:** S - STATE  
**CITATION:** 264.50-56.D      **RESOLVED:** 30-JUN-93  
**TYPE:** DOT - TSD OTHER REQUIREMENTS (OVERSIGHT LEVEL)

**VIOLATION NUMBER:** 0005      **RESPONSIBLE:** S - STATE  
**DETERMINED:** 28-MAY-93      **DETERMINED BY:** S - STATE  
**CITATION:** 264.170-177.I      **RESOLVED:** 30-JUN-93  
**TYPE:** DOT - TSD OTHER REQUIREMENTS (OVERSIGHT LEVEL)

- Continued on next page -

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

**RCRA COR SITE**

**SEARCH ID:** 1      **DIST/DIR:** 0.98 SW      **MAP ID:** 1

<b>NAME:</b> PEARL HARBOR SHIPYARD AND MAINT FAC <b>ADDRESS:</b> PEARL HARBOR NAVAL BASE PEARL HARBOR HI 96860	<b>REV:</b> 12/10/05 <b>ID1:</b> HI6170024339 <b>ID2:</b> <b>STATUS:</b> CA <b>PHONE:</b> 808-473-8000 4459
<b>CONTACT:</b> (b) (6)	

<b>VIOLATION NUMBER:</b>	0005	<b>RESPONSIBLE:</b>	E - EPA
<b>DETERMINED:</b>	10-APR-89	<b>DETERMINED BY:</b>	E - EPA
<b>CITATION:</b>	270	<b>RESOLVED:</b>	19-JAN-90
<b>TYPE:</b>	DOT - TSD OTHER REQUIREMENTS (OVERSIGHT LEVEL)		

<b>VIOLATION NUMBER:</b>	0006	<b>RESPONSIBLE:</b>	E - EPA
<b>DETERMINED:</b>	06-OCT-95	<b>DETERMINED BY:</b>	E - EPA
<b>CITATION:</b>	268.7	<b>RESOLVED:</b>	06-OCT-00
<b>TYPE:</b>	GLB - GENERATOR LAND BAN REQUIREMENTS		

<b>VIOLATION NUMBER:</b>	0006	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	28-MAY-93	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>	264.10-18.B	<b>RESOLVED:</b>	30-JUN-93
<b>TYPE:</b>	DOT - TSD OTHER REQUIREMENTS (OVERSIGHT LEVEL)		

<b>VIOLATION NUMBER:</b>	0007	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	25-JUL-95	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>	270	<b>RESOLVED:</b>	25-JUL-95
<b>TYPE:</b>	DOT - TSD OTHER REQUIREMENTS (OVERSIGHT LEVEL)		

<b>VIOLATION NUMBER:</b>	0008	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	25-JUL-95	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>	262.20-23.B	<b>RESOLVED:</b>	25-JUL-95
<b>TYPE:</b>	GER - GENERATOR ALL REQUIREMENTS		

<b>VIOLATION NUMBER:</b>	0009	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	25-JUL-95	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>	262.30-34.C	<b>RESOLVED:</b>	25-JUL-95
<b>TYPE:</b>	GER - GENERATOR ALL REQUIREMENTS		

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

**EMERGENCY RESPONSE NOTIFICATION SITE**

**SEARCH ID:** 34      **DIST/DIR:** NON GC      **MAP ID:**

**NAME:** AIRCO      **REV:** 12/18/90 0  
**ADDRESS:** AIRCO 2305 KAMEHAMEHA HWY      **ID1:** 200825  
HONOLULU HI      **ID2:**  
**CONTACT:**      **STATUS:** FIXED FACILITY  
      **PHONE:**

**SPILL INFORMATION**

**DATE OF SPILL:** 12/18/1990      **TIME OF SPILL:** 0000

**PRODUCT RELEASED (1):** AMMONIA, anhydrous  
**QUANTITY (1):** 0  
**UNITS (1):** UNK

**PRODUCT RELEASED (2):**  
**QUANTITY (2):**  
**UNITS (2):**

**PRODUCT RELEASED (3):**  
**QUANTITY (3):**  
**UNITS (3):**

**MEDIUM/MEDIA AFFECTED**

**AIR:** NO      **GROUNDWATER:** NO  
**LAND:** NO      **FIXED FACILITY:** NO  
**WATER:** NO      **OTHER:** YES  
**WATERBODY AFFECTED BY RELEASE:** UNKNOWN IF ANY MATERIAL HAS BEEN RELEASE

**CAUSE OF RELEASE**

**DUMPING:** NO      **EQUIPMENT FAILURE:** NO  
**NATURAL PHENOMENON:** NO      **OPERATOR ERROR:** NO  
**OTHER CAUSE:** NO      **TRANSP. ACCIDENT:** NO  
**UNKNOWN:** NO

**ACTIONS TAKEN:** DOING AN INVENTORY TO DETERMINE HOW MANY CYLINDERS ARE MISSING. COMPANY PERSONNEL ARE SEARCHING FOR MISSING CYLINDERS.

**RELEASE DETECTION:** SEVERAL 100 & 150 LBS EMPTY STORAGE CYLINDERS WERE WASHED AWAY TO THE OCEAN BY STORMWATER.

**MISC. NOTES:**

**DISCHARGER INFORMATION**

**DISCHARGER ID:** 200825      **DUN & BRADSTREET #:**  
**TYPE OF DISCHARGER:** PRIVATE ENTERPRISE  
**NAME OF DISCHARGER:** AIRCO  
**ADDRESS:** PO BOX 30707 2305 KAMEHAMEHA HWY  
HONOLULU HI 96820

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

**FINDS SITE**

**SEARCH ID:** 35      **DIST/DIR:** NON GC      **MAP ID:**

**NAME:** INTEGRATED MEDIA INC      **REV:**  
**ADDRESS:** 2908 KAMEHAMEHA HWY STE 101      **ID1:** HI0000900670  
HONOLULU HI 96818      **ID2:**  
**CONTACT:**      **STATUS:**  
      **PHONE:**

DETAILS NOT AVAILABLE

**FINDS SITE**

**SEARCH ID:** 36      **DIST/DIR:** NON GC      **MAP ID:**

**NAME:** NAVY MONTESSORI SCH      **REV:**  
**ADDRESS:** BD 81, 54 MAKALAPA DR, MKL      **ID1:** HI0000321430  
HORDLATHS HI 96818      **ID2:**  
**CONTACT:**      **STATUS:**  
      **PHONE:**

DETAILS NOT AVAILABLE

**FINDS SITE**

**SEARCH ID:** 38      **DIST/DIR:** NON GC      **MAP ID:**

**NAME:** TONY HONDA PEARLRIDGE      **REV:**  
**ADDRESS:** 98051 KAMEHAMEHA HWY      **ID1:** HID981638059  
ALEA HI 96701      **ID2:**  
**CONTACT:**      **STATUS:**  
      **PHONE:**

DETAILS NOT AVAILABLE



***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

FINDS SITE

**SEARCH ID:** 37      **DIST/DIR:** NON GC      **MAP ID:**

**NAME:** HAWAIIAN ELECTRIC WAI AU GEN STATION      **REV:**  
**ADDRESS:** 559 KAMEHAMEHA HWY      **ID1:** HIT000610873  
AIEA HI 96701      **ID2:**  
**CONTACT:**      **STATUS:**  
      **PHONE:**

DETAILS NOT AVAILABLE

FINDS SITE

**SEARCH ID:** 39      **DIST/DIR:** NON GC      **MAP ID:**

**NAME:** USDOD FLEET AND INDUSTRIAL SUPPLY      **REV:**  
**ADDRESS:** BLDG 229 MAKALAPA GATE      **ID1:** HI0002381796  
PEARL HARBOR HI 96860      **ID2:**  
**CONTACT:**      **STATUS:**  
      **PHONE:**

DETAILS NOT AVAILABLE

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

**HISTORIC/LANDMARK SITE**

**SEARCH ID:** 50      **DIST/DIR:** NON GC      **MAP ID:**

<b>NAME:</b> WAR MEMORIAL NATATORIUM	<b>REV:</b> 11/15/05
<b>ADDRESS:</b> KALAKAUA AVE. HONOLULU HI	<b>ID1:</b> 80001283
	<b>ID2:</b>
<b>CONTACT:</b>	<b>STATUS:</b> STRUCTURE
	<b>PHONE:</b>

**SITE INFORMATION:**

<b>CERTIFICATION:</b>	LISTED IN THE NATIONAL REGISTER
<b>DATE OF PRIMARY CERTIFICATION:</b>	1980-08-11
<b>SIZE OF PROPERTY IN ACRES:</b>	53

<b>NUMBER OF CONTRIBUTING BUILDINGS:</b>	000000	
<b>NUMBER OF CONTRIBUTING SITES:</b>	000000	
<b>NUMBER OF CONTRIBUTING STRUCTURES:</b>		000001
<b>NUMBER OF CONTRIBUTING OBJECTS:</b>	000000	
<b>NUMBER OF NON-CONTRIBUTING BUILDINGS:</b>		000000
<b>NUMBER OF NON-CONTRIBUTING SITES:</b>	000000	
<b>NUMBER OF NON-CONTRIBUTING STRUCTURES:</b>		000000
<b>NUMBER OF NON-CONTRIBUTINGOBJECTS:</b>		000000

<b>OWNER TYPE:</b>	STATE
<b>CURRENT FUNCTION:</b>	RECREATION AND CULTURE
<b>HISTORIC FUNCTION:</b>	SPORT FACILITY
<b>LEVEL OF SIGNIFICANCE:</b>	STATE

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

**HISTORIC/LANDMARK SITE**

**SEARCH ID:** 49      **DIST/DIR:** NON GC      **MAP ID:**

<b>NAME:</b> BATTERY SELFRIDGE <b>ADDRESS:</b> FT. KAMEHAMEHA HONOLULU HI	<b>REV:</b> 11/15/05 <b>ID1:</b> 84000975 <b>ID2:</b> <b>STATUS:</b> BUILDING <b>PHONE:</b>
<b>CONTACT:</b>	

**SITE INFORMATION:**

**CERTIFICATION:** LISTED IN THE NATIONAL REGISTER  
**DATE OF PRIMARY CERTIFICATION:** 1984-06-05  
**SIZE OF PROPERTY IN ACRES:** 16

<b>NUMBER OF CONTRIBUTING BUILDINGS:</b>	000001	
<b>NUMBER OF CONTRIBUTING SITES:</b>	000000	
<b>NUMBER OF CONTRIBUTING STRUCTURES:</b>		000000
<b>NUMBER OF CONTRIBUTING OBJECTS:</b>	000000	
<b>NUMBER OF NON-CONTRIBUTING BUILDINGS:</b>		000000
<b>NUMBER OF NON-CONTRIBUTING SITES:</b>	000000	
<b>NUMBER OF NON-CONTRIBUTING STRUCTURES:</b>		000000
<b>NUMBER OF NON-CONTRIBUTINGOBJECTS:</b>		000000

**OWNER TYPE:** FEDERAL  
**CURRENT FUNCTION:** DEFENSE  
**HISTORIC FUNCTION:** FORTIFICATION  
**LEVEL OF SIGNIFICANCE:** STATE

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

**HISTORIC/LANDMARK SITE**

**SEARCH ID:** 48      **DIST/DIR:** NON GC      **MAP ID:**

<b>NAME:</b> BATTERY JACKSON <b>ADDRESS:</b> FT. KAMEHAMEHA HONOLULU HI	<b>REV:</b> 11/15/05 <b>ID1:</b> 84000954 <b>ID2:</b> <b>STATUS:</b> STRUCTURE <b>PHONE:</b>
<b>CONTACT:</b>	

**SITE INFORMATION:**

**CERTIFICATION:** LISTED IN THE NATIONAL REGISTER  
**DATE OF PRIMARY CERTIFICATION:** 1984-06-05  
**SIZE OF PROPERTY IN ACRES:** 6

<b>NUMBER OF CONTRIBUTING BUILDINGS:</b>	000000	
<b>NUMBER OF CONTRIBUTING SITES:</b>	000000	
<b>NUMBER OF CONTRIBUTING STRUCTURES:</b>		000001
<b>NUMBER OF CONTRIBUTING OBJECTS:</b>	000000	
<b>NUMBER OF NON-CONTRIBUTING BUILDINGS:</b>		000000
<b>NUMBER OF NON-CONTRIBUTING SITES:</b>	000000	
<b>NUMBER OF NON-CONTRIBUTING STRUCTURES:</b>		000000
<b>NUMBER OF NON-CONTRIBUTINGOBJECTS:</b>		000000

**OWNER TYPE:** FEDERAL

**CURRENT FUNCTION:** VACANT/NOT IN USE

**HISTORIC FUNCTION:** FORTIFICATION

**LEVEL OF SIGNIFICANCE:** STATE

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

**HISTORIC/LANDMARK SITE**

**SEARCH ID:** 46      **DIST/DIR:** NON GC      **MAP ID:**

<b>NAME:</b> BATTERY HASEBROUCK <b>ADDRESS:</b> FT. KAMEHAMEHA HONOLULU HI	<b>REV:</b> 11/15/05 <b>ID1:</b> 84000925 <b>ID2:</b> <b>STATUS:</b> BUILDING <b>PHONE:</b>
<b>CONTACT:</b>	

**SITE INFORMATION:**

**CERTIFICATION:** LISTED IN THE NATIONAL REGISTER  
**DATE OF PRIMARY CERTIFICATION:** 1984-06-05  
**SIZE OF PROPERTY IN ACRES:** 22

<b>NUMBER OF CONTRIBUTING BUILDINGS:</b>	000001	
<b>NUMBER OF CONTRIBUTING SITES:</b>	000000	
<b>NUMBER OF CONTRIBUTING STRUCTURES:</b>		000000
<b>NUMBER OF CONTRIBUTING OBJECTS:</b>	000000	
<b>NUMBER OF NON-CONTRIBUTING BUILDINGS:</b>		000000
<b>NUMBER OF NON-CONTRIBUTING SITES:</b>	000000	
<b>NUMBER OF NON-CONTRIBUTING STRUCTURES:</b>		000000
<b>NUMBER OF NON-CONTRIBUTING OBJECTS:</b>		000000

**OWNER TYPE:** FEDERAL

**CURRENT FUNCTION:** VACANT/NOT IN USE

**HISTORIC FUNCTION:** FORTIFICATION

**LEVEL OF SIGNIFICANCE:** STATE

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

**HISTORIC/LANDMARK SITE**

**SEARCH ID:** 47      **DIST/DIR:** NON GC      **MAP ID:**

**NAME:** BATTERY HAWKINS ANNEX      **REV:** 11/15/05  
**ADDRESS:** FT. KAMEHAMEHA      **ID1:** 84000948  
HONOLULU HI      **ID2:**  
**CONTACT:**      **STATUS:** STRUCTURE  
      **PHONE:**

**SITE INFORMATION:**

**CERTIFICATION:** LISTED IN THE NATIONAL REGISTER  
**DATE OF PRIMARY CERTIFICATION:** 1984-06-05  
**SIZE OF PROPERTY IN ACRES:** 1

**NUMBER OF CONTRIBUTING BUILDINGS:** 000000  
**NUMBER OF CONTRIBUTING SITES:** 000000  
**NUMBER OF CONTRIBUTING STRUCTURES:** 000001  
**NUMBER OF CONTRIBUTING OBJECTS:** 000000  
**NUMBER OF NON-CONTRIBUTING BUILDINGS:** 000000  
**NUMBER OF NON-CONTRIBUTING SITES:** 000000  
**NUMBER OF NON-CONTRIBUTING STRUCTURES:** 000000  
**NUMBER OF NON-CONTRIBUTINGOBJECTS:** 000000

**OWNER TYPE:** FEDERAL

**CURRENT FUNCTION:** VACANT/NOT IN USE

**HISTORIC FUNCTION:** FORTIFICATION

**LEVEL OF SIGNIFICANCE:** STATE

# Environmental FirstSearch

## Site Detail Report

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

### HMIRS

<b>SEARCH ID:</b> 51	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>
<b>NAME:</b> BHP PETROLEUM REFINING INC		
<b>ADDRESS:</b> 64 1551 KAMEHAMEHA HWY HONOLULU HI		
<b>REV:</b> 3/15/05		
<b>ID1:</b> 1996050639		
<b>ID2:</b>		
<b>STATUS:</b> HIGHWAY (FOR HIRE)		
<b>CONTACT:</b>		
<b>PHONE:</b>		

#### SITE INFORMATION

**TOTAL NUMBER OF HAZARDOUS MATERIALS:** 1

**MULTIPLE CODE:** A  
**MODE OF TRANSPORT:** 4 - H-H: HIGHWAY (FOR HIRE)  
**OTHER MODE:**

<b>INCIDENT DATE:</b> 5/1/1996	<b>INCIDENT TIME:</b> 9:00
<b>CARRIER RPT NUMBER:</b>	<b>ORIG SAME AS SHIP:</b> YES
<b>DEST SAME AS CONS:</b> YES	

<b>INCIDENT:</b>	64 1551 KAMEHAMEHA HWY HONOLULU HI HONOLULU	<b>CARRIER:</b>	ID: 77994 BHP PETROLEUM REFINING INC 739 A N NIMITZ HONOLULU HI 96817
<b>SHIPPER:</b>	ID: 77994 BHP PETROLEUM REFINING INC 739 A N NIMITZ HONOLULU HI 96817	<b>CONSIGNEE:</b>	ID: 34893 DOLE FRESH FRUIT CO 64 1551 KAMEHAMEHA HWY WAHIAWA HI 96786
<b>ORIGIN:</b>	739 A N NIMITZ HONOLULU HI 96817	<b>DESTINATION:</b>	64 1551 KAMEHAMEHA HWY WAHIAWA HI 96786

#### COMMODITY INFORMATION

<b>MULTIPLE CODE:</b> A	<b>SHIPPING PAPER:</b>
<b>HAZ SUBSTANCE:</b> NO	<b>UN NUMBER:</b> NA1993
<b>RQ MET:</b> NO	<b>QUAN REL CODE:</b> 0
<b>QUANTITY RELEASED:</b> 5 GAL	<b>COMMODITY CODE:</b> 05203

**COMMODITY SHIP NAME:** FUEL OIL NO. 1,2,4,5,6  
**COMMODITY TRADE NAME:**  
**COMMODITY CLASS:** 20 - COMB L: COMBUSTIBLE LIQUID

#### OTHER MATERIAL INFORMATION

<b>DEATHS:</b> 0	<b>MAJOR INJURIES:</b> 0
<b>MINOR INJURIES:</b> 0	<b>NUMBER EVACUATED:</b> 0
<b>PRODUCT LOSS:</b> 6	<b>PROD LOSS CODE:</b> 0
<b>CARRIER DAMAGE:</b> 0	<b>CARRIER DAM CODE:</b> 1
<b>PUB PRI DAMAGE:</b> 0	<b>PUB PRI DAM CODE:</b> 1
<b>DECON DAMAGE:</b> 150	<b>DECON DAM CODE:</b> 0
<b>OTHER DAMAGE:</b> 0	<b>OTHER DAM CODE:</b> 0
<b>REPORT DAMAGE:</b> 156	<b>REPORT DAM CODE:</b> 0
<b>INCIDENT DAMAGE:</b> 0	<b>DAMAGE CODE:</b>

<b>RESULT VAPOR:</b> NO	<b>RESULT SEWER:</b> - Continued on next page -
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# Environmental FirstSearch

## Site Detail Report

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

### HMIRS

**SEARCH ID:** 51      **DIST/DIR:** NON GC      **MAP ID:**

**NAME:** BHP PETROLEUM REFINING INC      **REV:** 3/15/05  
**ADDRESS:** 64 1551 KAMEHAMEHA HWY      **ID1:** 1996050639  
HONOLULU HI      **ID2:**  
**CONTACT:**      **STATUS:** HIGHWAY (FOR HIRE)  
      **PHONE:**

<b>RESULT SPILL:</b>	YES	<b>RESULT FIRE:</b>	NO
<b>RESULT EXPLOSION:</b>	NO	<b>RESULT ENVIRONMENT:</b>	NO
<b>RESULT NONE:</b>	NO	<b>RESULT OTHER:</b>	NO
<b>RESULT OTHER DESC:</b>		<b>VEHICLE CARGO:</b>	YES
<b>VEHICLE VAN:</b>	NO	<b>VEHICLE FLAT:</b>	NO
<b>VEHICLE TANK CAR:</b>	NO	<b>VEHICLE RAIL CAR:</b>	NO
<b>VEHICLE TOFC:</b>	0	<b>VEHICLE AIRCRAFT:</b>	NO
<b>VEHICLE BARGE:</b>	NO	<b>VEHICLE SHIP:</b>	NO
<b>VEHICLE OTHER:</b>	NO	<b>VEHICLE OTHER DESC:</b>	

<b>TRANSPORT PHASE:</b>	263	<b>LAND USE:</b>	272
<b>COMMUNITY TYPE:</b>	283	<b>ACCIDENT OR DERAIL:</b>	NO
<b>ESTIMATED SPEED:</b>		<b>HIGHWAY TYPE:</b>	
<b>HIGHWAY LANES:</b>		<b>GENERAL CAUSE:</b>	10
<b>MISC INFO 1:</b>	100	<b>MISC INFO 2:</b>	100
<b>ATTACHMENTS:</b>	NO	<b>RECOMMENDATIONS:</b>	NO

**REPORTER NAME:** (b) (6)  
**REPORTER TITLE:** TRUCKING SUPV  
**REPORTER PHONE:** 8085473722  
**REPORT DATE:** 5/10/1996

#### CONTAINER INFORMATION

**MULTIPLE CODE:** A  
**CONTAINER TYPE:** MC306 - TANK: CARGO TANKS

**MANUFACTURER:** **ID:** 16634  
PETERBILT  
UNKNOWN XX

<b>CONTAINER CAPACITY:</b>	3600 GAL	<b>CONTAINER CAP CODE:</b>	0
<b>NUMBER FAILED:</b>	1	<b>NUMBER FAILED CODE:</b>	0
<b>NUMBER IN SHIPMENT:</b>	1	<b>NUMBER IN SHIP CODE:</b>	0
<b>GAUGE OF CONTAINER:</b>		<b>TANK SERIAL NUMBER:</b>	1XPAL69XXN
<b>LABEL OR PLACARD:</b>	COMBUST	<b>REGISTRATION NUMBER:</b>	
<b>INSPECTION DATE:</b>		<b>EXEMPTION NUMBER:</b>	

<b>VEHICLE COLLISION:</b>	NO	<b>VEHICLE OVERTURN:</b>	NO
<b>OVERLOAD OR OVERFILL:</b>	NO	<b>LOOSE FITTING:</b>	YES
<b>DEFECTIVE FITTING:</b>	NO	<b>DROPPED:</b>	NO
<b>STRUCK OR RAMMED:</b>	NO	<b>IMPROPER LOADING:</b>	NO
<b>IMPROPER BLOCKING:</b>	NO	<b>CORROSION:</b>	NO
<b>METAL FATIGUE:</b>	NO	<b>FRICTION OR RUBBING:</b>	NO
<b>FIRE OR HEAT:</b>	NO	<b>FREEZING:</b>	NO
<b>VENTING:</b>	NO	<b>VANDALISM:</b>	NO

<b>RUPTURED:</b>	NO	<b>HOW FAILED OTHER:</b>	YES
<b>HOW FAILED OTH DESC:</b>	OTHER	<b>END FORWARD:</b>	NO
<b>END REAR:</b>	NO	<b>SIDE RIGHT:</b>	NO
<b>SIDE LEFT:</b>	NO	<b>TOP:</b>	NO
<b>BOTTOM:</b>	NO	<b>CENTER:</b>	NO

- Continued on next page -



***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283  
HAWAII NAVAL HOUSING

**HMIRS**

**SEARCH ID:** 51

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** BHP PETROLEUM REFINING INC  
**ADDRESS:** 64 1551 KAMEHAMEHA HWY  
HONOLULU HI

**REV:** 3/15/05  
**ID1:** 1996050639  
**ID2:**  
**STATUS:** HIGHWAY (FOR HIRE)  
**PHONE:**

**CONTACT:**

<b>AREA OTHER:</b>	YES	<b>AREA OTHER DESC:</b>	NO RESPONSE
<b>PACKAGE MATERIAL:</b>	NO	<b>FITTING VALVE:</b>	NO
<b>CLOSURE:</b>	NO	<b>CHIME:</b>	NO
<b>WELD SEAM:</b>	NO	<b>HOSE PIPING:</b>	NO
<b>INNER LINING:</b>	NO	<b>WHAT FAILED OTHER:</b>	YES
<b>WHAT FAILED OTH DESC:</b>	NO RESPONSE		

<b>INCOMPATIBLE MATERIAL:</b>	NO	<b>CONTRIBUTING OTHER:</b>	NO
<b>CONTRIB OTHER DESC:</b>		<b>OTHER FREIGHT:</b>	NO
<b>FORKLIFT:</b>	NO	<b>NAIL PROTRUSION:</b>	NO
<b>OTHER VEHICLE:</b>	NO	<b>WATER:</b>	NO
<b>GROUND FLOOR RDWAY:</b>	NO	<b>ROADSIDE OBSTACLE:</b>	NO
<b>NO OBJECT:</b>	NO	<b>OBJECT OTHER:</b>	YES
<b>PUNCTURED:</b>	NO	<b>CRACKED:</b>	NO
<b>BURST INTER PRESSURE:</b>	NO	<b>RIPPED:</b>	NO
<b>CRUSHED:</b>	NO	<b>RUBBED OR ABRADED:</b>	NO

**REMARKS**

DID NOT CLOSE VALVE. WHEN OPEN CAP PRODUCT SPILLED OUT. DRIVER PRODUCT.

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

**LEAKING UNDERGROUND STORAGE TANKS**

**SEARCH ID:** 42      **DIST/DIR:** NON GC      **MAP ID:**

**NAME:** CUTTER FORD INC.      **REV:** 02/11/05  
**ADDRESS:** 98-015 KAMEHAMEHA HWY      **ID1:** 9-200188  
AIEA HI 96701      **ID2:**  
**CONTACT:**      **STATUS:**  
      **PHONE:**

**Event ID Number:** 920190  
**Facility ID Number:** 9-200188  
**Status Date:** 11/5/1993  
**Status:** Site Cleanup Completed  
**Project Officer:** (b)

**Event ID Number:** 970104  
**Facility ID Number:** 9-200188  
**Status Date:** 9/24/1998  
**Status:** Site Cleanup Completed  
**Project Officer:** (b)

**LEAKING UNDERGROUND STORAGE TANKS**

**SEARCH ID:** 43      **DIST/DIR:** NON GC      **MAP ID:**

**NAME:** MCGREW POINT AREA      **REV:** 02/11/05  
**ADDRESS:** MCGREW LOOP X KAMEHAMEHA HWY      **ID1:** 9-102171  
AIEA HI 96701      **ID2:**  
**CONTACT:**      **STATUS:**  
      **PHONE:**

**Event ID Number:** 900019  
**Facility ID Number:** 9-102171  
**Status Date:** 8/6/1999  
**Status:** Disconfirmed Release  
**Project Officer:** (b) (6)

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

**LEAKING UNDERGROUND STORAGE TANKS**

**SEARCH ID:** 44      **DIST/DIR:** NON GC      **MAP ID:**

**NAME:** PEARL AUTO SERVICE & SUPPLY INC.      **REV:** 02/11/05  
**ADDRESS:** 98-064 KAMEHAMEHA HWY      **ID1:** 9-200293  
AIEA HI 96701      **ID2:**  
**CONTACT:**      **STATUS:**  
      **PHONE:**

**Event ID Number:** 930138  
**Facility ID Number:** 9-200293  
**Status Date:** 10/28/1999  
**Status:** LUST Cleanup Initiated: Petroleum  
**Project Officer:** (b) (6)

**LEAKING UNDERGROUND STORAGE TANKS**

**SEARCH ID:** 45      **DIST/DIR:** NON GC      **MAP ID:**

**NAME:** FLEET INTELLIGENCE CENTER PACIFIC      **REV:** 02/11/05  
**ADDRESS:** BLDG 352, MAKALAPA CRATER, TANK 41 & 42, JPAC-1, JPAC-2      **ID1:** 9-100991  
PEARL HARBOR HI 96860      **ID2:**  
**CONTACT:**      **STATUS:**  
      **PHONE:**

**Event ID Number:** 900095  
**Facility ID Number:** 9-100991  
**Status Date:** 7/27/1990  
**Status:** Disconfirmed Release  
**Project Officer:** Assigned

**Event ID Number:** 960014  
**Facility ID Number:** 9-100991  
**Status Date:** 6/1/1998  
**Status:** Disconfirmed Release  
**Project Officer:** (b)

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

**CERCLIS NFRAP**

**SEARCH ID:** 26      **DIST/DIR:** NON GC      **MAP ID:**

<b>NAME:</b> HAWAIIAN ELECTRIC CO WAI AU GEN STA	<b>REV:</b> 1/13/06
<b>ADDRESS:</b> 559 KAMEHAMEHA HWY	<b>ID1:</b> HIT000610873
AIEA HI 96701	<b>ID2:</b> 0902897
<b>CONTACT:</b> (b) (6)	<b>STATUS:</b> NFRAP-N
	<b>PHONE:</b> 4159723160

**DESCRIPTION:**

ACTION/QUALITY	AGENCY/RPS	START/RAA	END
ARCHIVE SITE	EPA In-House		09-01-1984
DISCOVERY	EPA Fund-Financed		07-01-1980
PRELIMINARY ASSESSMENT Low	EPA Fund-Financed		11-01-1980
SITE INSPECTION NFRAP (No Futher Remedial Action Planned)	EPA Fund-Financed		09-01-1984

**RCRA GENERATOR SITE**

**SEARCH ID:** 27      **DIST/DIR:** NON GC      **MAP ID:**

<b>NAME:</b> MOANALUA TERRACE NAVAL HOUSING AREA	<b>REV:</b> 12/10/05
<b>ADDRESS:</b> 2500 RADFORD DR	<b>ID1:</b> HIR000135699
HONOLULU HI 96818	<b>ID2:</b>
HI003	<b>STATUS:</b> VGN
<b>CONTACT:</b> (b) (6)	<b>PHONE:</b> 808-927-7703

DETAILS NOT AVAILABLE

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

**RCRA GENERATOR SITE**

**SEARCH ID:** 30      **DIST/DIR:** NON GC      **MAP ID:**

<b>NAME:</b> NAVY PWC - MAKALAPA COMPOUND	<b>REV:</b> 12/10/05
<b>ADDRESS:</b> MAKALAPA COMPOUND	<b>ID1:</b> HI0170090005
PEARL HARBOR HI 96860	<b>ID2:</b>
<b>CONTACT:</b> (b) (6)	<b>STATUS:</b> LGN
	<b>PHONE:</b> 8084711171 212

**SITE INFORMATION**

**UNIVERSE TYPE:**

LQG - LARGE QUANTITY GENERATORS: GENERATES MORE THAN 1000 KG/MONTH OF HAZARDOUS WASTE

**SIC INFORMATION:**

9711 - PUBLIC ADMIN. - NATIONAL SECURITY  
9711 - PUBLIC ADMIN. - NATIONAL SECURITY  
9711 - PUBLIC ADMIN. - NATIONAL SECURITY  
9711 - PUBLIC ADMIN. - NATIONAL SECURITY

**ENFORCEMENT INFORMATION:**

<b>AGENCY:</b>	S - STATE	<b>DATE:</b>	19-JUN-98
<b>TYPE:</b>	120 - WRITTEN INFORMAL		

**VIOLATION INFORMATION:**

<b>VIOLATION NUMBER:</b>	0001	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	19-JUN-98	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>	262.10-12.A	<b>RESOLVED:</b>	
<b>TYPE:</b>	GER - GENERATOR ALL REQUIREMENTS		

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

**RCRA GENERATOR SITE**

**SEARCH ID:** 28      **DIST/DIR:** NON GC      **MAP ID:**

<b>NAME:</b> CHEVRON 93970	<b>REV:</b> 12/10/05
<b>ADDRESS:</b> 98 121 KAMEHAMEHA HWY	<b>ID1:</b> HIR000136838
AIEA HI 96701	<b>ID2:</b>
HONOLULU	<b>STATUS:</b> VGN
<b>CONTACT:</b> (b) (6)	<b>PHONE:</b> 925-842-5931

DETAILS NOT AVAILABLE

**RCRA GENERATOR SITE**

**SEARCH ID:** 29      **DIST/DIR:** NON GC      **MAP ID:**

<b>NAME:</b> TONY HONDA PEARLRIDGE	<b>REV:</b> 12/10/05
<b>ADDRESS:</b> 98051 KAMEHAMEHA HWY	<b>ID1:</b> HID981638059
AIEA HI 96701	<b>ID2:</b>
<b>CONTACT:</b>	<b>STATUS:</b> VGN
	<b>PHONE:</b>

**SITE INFORMATION**

**UNIVERSE TYPE:**

CEG - CONDITIONALLY EXEMPT SMALL QUANTITY GENERATORS: GENERATES LESS THAN 100 KG/MONTH OF HAZARDOUS WASTE

**SIC INFORMATION:**

5511 - RETAIL TRADE - NEW AND USED CAR DEALERS  
5511 - RETAIL TRADE - NEW AND USED CAR DEALERS

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**

***Environmental FirstSearch***  
***Site Detail Report***

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

RCRA NLR SITE

**SEARCH ID:** 33      **DIST/DIR:** NON GC      **MAP ID:**

<b>NAME:</b> USNAVY FLEET AND INDUSTRIAL SUPPLY CENTE	<b>REV:</b> 12/10/05
<b>ADDRESS:</b> BLDG 229 MAKALAPA GATE	<b>ID1:</b> HI1170024342
PEARL HARBOR HI 96860	<b>ID2:</b>
<b>CONTACT:</b> (b) (6)	<b>STATUS:</b> NLR
	<b>PHONE:</b> 8084711171

**SITE INFORMATION**

**CONTACT INFORMATION:** (b) (6)  
ENVIRO MANAGER  
NAVAL BASE PEARL HARBOR  
PEARL HARBOR HI 968605020

**PHONE:** 8084711171

**CONTACT INFORMATION:** ENVIRONMENTAL MANAGER  
ENVIRO MANAGER  
BLDG 229 MAKALAPA GATE  
PEARL HARBOR HI 968605300

**PHONE:**

**UNIVERSE TYPE:**

**SIC INFORMATION:**

9711 - PUBLIC ADMIN. - NATIONAL SECURITY  
5085 - WHOLESALE TRADE - INDUSTRIAL SUPPLIES  
9711 - PUBLIC ADMIN. - NATIONAL SECURITY

**ENFORCEMENT INFORMATION:**

<b>AGENCY:</b>	E - EPA	<b>DATE:</b>	28-JUL-87
<b>TYPE:</b>	120 - WRITTEN INFORMAL		

<b>AGENCY:</b>	S - STATE	<b>DATE:</b>	30-MAR-00
<b>TYPE:</b>	120 - WRITTEN INFORMAL		

**VIOLATION INFORMATION:**

<b>VIOLATION NUMBER:</b>	0001	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	24-MAR-86	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>	262.10-12.A	<b>RESOLVED:</b>	17-SEP-87
<b>TYPE:</b>	GER - GENERATOR ALL REQUIREMENTS		

<b>VIOLATION NUMBER:</b>	0002	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	18-JAN-00	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>	279.50-59	<b>RESOLVED:</b>	
<b>TYPE:</b>	UOP		

<b>VIOLATION NUMBER:</b>	0003	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	18-JAN-00	<b>DETERMINED BY:</b>	- <i>Continued on next page</i> -

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

RCRA NLR SITE

<b>SEARCH ID:</b> 33	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>
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<b>NAME:</b> USNAVY FLEET AND INDUSTRIAL SUPPLY CENTE <b>ADDRESS:</b> BLDG 229 MAKALAPA GATE PEARL HARBOR HI 96860  <b>CONTACT:</b> (b) (6)	<b>REV:</b> 12/10/05 <b>ID1:</b> HII170024342 <b>ID2:</b> <b>STATUS:</b> NLR <b>PHONE:</b> 8084711171
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<b>CITATION:</b> 279.10-12 <b>TYPE:</b> UOR		<b>RESOLVED:</b>
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***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

RCRA NLR SITE

<b>SEARCH ID:</b> 32	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>
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<b>NAME:</b> WASTE MANAGEMENT OF HAWAII INC <b>ADDRESS:</b> 98 021 KAMEHAMEHA HWY AIEA HI 96701	<b>REV:</b> 12/10/05 <b>ID1:</b> HID981619034 <b>ID2:</b> <b>STATUS:</b> NLR <b>PHONE:</b> 8086820900
<b>CONTACT:</b> (b) (6)	

**SITE INFORMATION**

**CONTACT INFORMATION:** (b) (6)  
GENERAL MNGR  
98 TWENTY FIRST KAMEHAMEHA HWY  
AIEA HI 96701

**PHONE:** 8086820900

**UNIVERSE TYPE:**

**SIC INFORMATION:**

4212 - TRANS. & UTILITIES - LOCAL TRUCKING, WITHOUT STORA  
7538 - SERVICES - GENERAL AUTOMOTIVE REPAIR SHOPS

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

RCRA NLR SITE

<b>SEARCH ID:</b> 31	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>
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<b>NAME:</b> TONY HONDA PEARLRIDGE <b>ADDRESS:</b> 98051 KAMEHAMEHA HWY ALEA HI 96701 HONOLULU <b>CONTACT:</b>	<b>REV:</b> 8/8/01 <b>ID1:</b> HID981638059 <b>ID2:</b> <b>STATUS:</b> NLR <b>PHONE:</b>
--	--

**SITE INFORMATION**

**UNIVERSE NAME:**

NO LONGER REGULATED

**SIC INFORMATION:**

5511 - RETAIL TRADE - NEW AND USED CAR DEALERS  
5511 - RETAIL TRADE - NEW AND USED CAR DEALERS

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283  
HAWAII NAVAL HOUSING

**TOWERS**

**SEARCH ID:** 52

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** VOICESTREAM PCS III CORPORATION  
**ADDRESS:** 515 MAIN STREET, HICKMAN AIR FORCE BASE  
HONOLULU HI

**REV:** 01/04/04  
**ID1:** 1222202  
**ID2:**  
**STATUS:** ASR  
**PHONE:**

**CONTACT:**

**ANTENNA STRUCTURE REGISTRATION**

The Antenna Structure Registration database contains antenna structures that generally are more than 60.96 meters(200 feet) in height or are located near an airport

**DATE ENTERED:** 8/22/2002  
**DATE RECEIVED:** 8/22/2002  
**DATE ISSUED:** 2/1/2001  
**DATE CONSTRUCTED:** 08/15/2002  
**DATE DISMANTLED:**  
**HEIGHT OF STRUCTURE:** 30.5  
**GROUND ELEVATION:** 6.1  
**OVERALL HEIGHT ABOVE GROUND:** 30.5  
**OVERALL HEIGHT AMSL:** 36.6  
**STRUCTURE TYPE:** TOWER  
**FAA STUDY NUMBER:** 00-AWP-3607-OE  
**DATE OF FAA DETERMINATION:** 1/19/2001

# Environmental FirstSearch

## Site Detail Report

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

### REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 40      **DIST/DIR:** NON GC      **MAP ID:**

**NAME:** FLEET INTELLIGENCE CENTER PACIFIC      **REV:** 08/01/05  
**ADDRESS:** BLDG 352, MAKALAPA CRATER      **ID1:** 9-100991  
PEARL HARBOR HI 96860      **ID2:**  
**CONTACT:**      **STATUS:** CURRENTLY IN USE  
      **PHONE:**

**Tank ID Number:** JPAC-1  
**Tank Status Description:** Currently In Use  
**Tank Capacity:** 6000  
**Substance Description:** Diesel  
**Construction Material:** Fiberglass Reinforced Plastic  
**Date Installed:** 4/1/1998  
**Date Closed:**

**Owner Name:** US NAVY - COMNAVREG - HI 517 RUSSELL AVE, SUITE 110 Pearl Harbor HI  
96860

**Tank ID Number:** JPAC-2  
**Tank Status Description:** Currently In Use  
**Tank Capacity:** 6000  
**Substance Description:** Diesel  
**Construction Material:** Fiberglass Reinforced Plastic  
**Date Installed:** 4/1/1998  
**Date Closed:**

**Owner Name:** US NAVY - COMNAVREG - HI 517 RUSSELL AVE, SUITE 110 Pearl Harbor HI  
96860

**Tank ID Number:** R-M-41  
**Tank Status Description:** Permanently Out of Use  
**Tank Capacity:** 5000  
**Substance Description:** Diesel  
**Construction Material:** Asphalt Coated or Bare Steel  
**Date Installed:** 4/4/1977  
**Date Closed:** 3/4/1998

**Owner Name:** US NAVY - COMNAVREG - HI 517 RUSSELL AVE, SUITE 110 Pearl Harbor HI  
96860

**Tank ID Number:** R-M-42  
**Tank Status Description:** Permanently Out of Use  
**Tank Capacity:** 6000  
**Substance Description:** Diesel  
**Construction Material:** Fiberglass Reinforced Plastic  
**Date Installed:** 4/4/1984  
**Date Closed:** 3/4/1998

**Owner Name:** US NAVY - COMNAVREG - HI 517 RUSSELL AVE, SUITE 110 Pearl Harbor HI  
96860

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

**REGISTERED UNDERGROUND STORAGE TANKS**

<b>SEARCH ID:</b> 41	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>
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<b>NAME:</b> NAVAL WESTERN OCEANOGRAPHY CENTER <b>ADDRESS:</b> BLDG 398 MAKALAPA CRATER PEARL HARBOR HI 96860  <b>CONTACT:</b>	<b>REV:</b> 08/01/05 <b>ID1:</b> 9-102465 <b>ID2:</b> <b>STATUS:</b> CURRENTLY IN USE <b>PHONE:</b>
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<b>Tank ID Number:</b>	<i>1</i>
<b>Tank Status Description:</b>	<i>Currently in Use</i>
<b>Tank Capacity:</b>	<i>2000</i>
<b>Substance Description:</b>	<i>Diesel</i>
<b>Construction Material:</b>	<i>Asphalt Coated or Bare Steel</i>
<b>Date Installed:</b>	<i>6/6/1987</i>
<b>Date Closed</b>	

<b>Owner Name:</b>	<i>NAVAL PACIFIC METEOROLOGY &amp; OCEANOGRAPHY/JTWC</i>
<i>NAVPACMETOCCEN/JTWC , 425 LUAPELE RD Pearl Harbor HI 96860</i>	

## **Environmental FirstSearch Database Descriptions**

**NPL:** *EPA* NATIONAL PRIORITY LIST - Database of confirmed, proposed or deleted Superfund sites.

**CERCLIS:** *EPA* COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY INFORMATION SYSTEM - Database of current and potential Superfund sites currently or previously under investigation.

**NFRAP:** *EPA* COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY INFORMATION SYSTEM ARCHIVED SITES - database of Archive designated CERCLA sites that, to the best of EPA's knowledge, assessment has been completed and has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

**RCRA TSD:** *EPA* RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM TREATMENT, STORAGE, and DISPOSAL FACILITIES. - Database of facilities licensed to store, treat and dispose of hazardous waste materials.

**RCRA COR:** *EPA* RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM SITES - Database of RCRA facilities with reported violations and subject to corrective actions.

**RCRA GEN:** *EPA* RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM SITES - Database of facilities that generate or transport hazardous waste or meet other RCRA requirements. LGN - Large Quantity Generators SGN - Small Quantity Generators VGN – Conditionally Exempt Generator. Included are RAATS (RCRA Administrative Action Tracking System) and CMEL (Compliance Monitoring & Enforcement List) facilities.

**RCRA NLR:** *EPA* RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM SITES - Database of facilities not currently classified by the EPA but are still included in the RCRIS database. Reasons for non classification: Failure to report in a timely matter. No longer in business. No longer in business at the listed address. No longer generating hazardous waste materials in quantities which require reporting.

**ERNS:** *EPA/NRC* EMERGENCY RESPONSE NOTIFICATION SYSTEM - Database of emergency response actions. Data since January 2001 has been received from the National Response System database as the EPA no longer maintains this data.

**NPDES:** *EPA* THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM - Database of permitted facilities receiving and discharging effluents to and from a natural source where treatment of the effluent is monitored.

**FINDS:** *EPA* FACILITY INDEX SYSTEM(FINDS)/FACILITY REGISTRY SYSTEM(FRS) - The index of identification numbers associated with a property or facility which the EPA has investigated or has been made aware of in conjunction with various regulatory programs. Each record indicates the EPA office that may have files on the site or facility. A Facility Registry System site has an FRS in the status field.

**TRIS:** *EPA* TOXIC RELEASE INVENTORY SYSTEM - Database of all facilities that have had or may be prone to toxic material releases.

**REG UST/AST:** *HI DOH* UNDERGROUND STORAGE TANKS- The Hawaii Department of Health's inventory of underground storage tanks.

**LEAKING UST:** *HI DOH* LEAKING UNDERGROUND STORAGE TANKS-The Hawaii Department of Health's inventory of sites with leaking underground storage tanks.

**WETLANDS:** *US FWS* NATIONAL WETLANDS INVENTORY (NWI) - database of information on the characteristics, extent, and status of the Nation's wetlands and deepwater habitats. This data is available for select areas of the United States.

**FLOODPLAINS:** *FEMA* FLOODPLAINS – database of 100 year and 500 year flood zone boundaries for select counties in the United States

**RECEPTORS:** *US DOC* SENSITIVE RECEPTORS - 2002 Census Bureau's TIGER (Topologically Integrated Geographic Encoding and Referencing System) database of schools and hospitals. List of schools and hospitals that may house individuals deemed sensitive to environmental discharges due to their fragile immune systems.

**NUCLEAR PERMITS:** *EPA/NRC* PERMITTED NUCLEAR FACILITIES THE RADINFO DATABASE - Database of basic information about facilities that are permitted and regulated for their use and handling of radioactive materials.

**HISTORIC/LANDMARK:** *NPS* NATIONAL REGISTRY OF HISTORIC PLACES DATABASE - The nation's official list of cultural resources worthy of preservation. Properties listed include districts, sites, buildings, structures, and objects that are significant in American history, architecture, archeology, engineering, and culture.

**FEDERAL LAND USE:** *USGS/EPA* FEDERAL LANDS OF THE UNITED STATES - Database of lands owned or administered by the Federal Government, including the Bureau of Land Management, the Bureau of Reclamation, the U.S. Department of Agriculture Forest Service, the Department of Defense, the U.S. Fish and Wildlife Service, the National Park Service, the Tennessee Valley Authority, and other agencies. Only areas of 640 acres or more are included. Descriptive information includes the name and type of the Federal land and the

administering agency.INDIAN LANDS OF THE UNITED STATES - Areas administered by the Bureau of Indian Affairs shows areas of 640 acres or more, administered by the Bureau of Indian Affairs. Included are Federally-administered lands within a reservation which may or may not be considered part of the reservation.ENDANGERED SPECIES PROTECTION PROGRAM DATABASE – List of the Endangered Species by county and the species status.

**FEDERAL WELLS:** *USGS* UNITED STATES GROUND-WATER SITES INVENTORY - Database of more than 850,000 records of wells, springs, test holes, tunnels, drains, and excavations in the United States.

**RELEASES(AIR/WATER):** *EPA/NRC* AIR AND SURFACE WATER RELEASES - A subset of the ERNSNational Response System database which have impacted only the air or surface water.

**HMIRS:** *US DOT* HAZARDOUS MATERIALS INCIDENT RESPONSE SYSTEM - Database of information regarding materials, packaging, and a description of events for tracked incidents.

**NCDB:** *EPA* NATIONAL COMPLIANCE DATA BASE SYSTEM - Database of regional compliance and enforcement activity and manages the Pesticides and Toxic Substances Compliance and Enforcement program at a national level. The system tracks all compliance monitoring and enforcement activities from the time an inspector conducts and inspection until the time the inspector closes or the case settles the enforcement action. NCDB is the national repository of the 10 regional and Headquarters FIFRA/TSCA Tracking System (FTTS). Data collected in the regional FTTS is transferred to NCDB to support the need for monitoring national performance of regional programs.

**OTHER:** *EPA* SECTION SEVEN TRACKING SYSTEM (SSTS) – database of registration and production data for facilities which manufacture pesticides.AEROMETRIC INFORMATION RETRIEVAL SYSTEM (AIRS) – database of detailed information pertaining to sites which submit air emissions reports. Developed under the Clean Air Act, this database also maintains data on compliance status and enforcement actions.

**TOWERS:** *FAA/ FCC* Tower - database encompasses three sources of information from the Federal Aviation Administration and the Federal Communications Commission. FAA data includes the Digital Obstacle File which contains obstruction data for man made objects that affect domestic aeronautical charting products. FCC data includes the Wireless Telecommunication Bureau's Universal Licensing System which contains the Antenna Structure Database and the Cellular Tower Database. FCC data also includes the Mass Media Bureau's Consolidated Database System which includes engineering data for AM, FM, and Television broadcasting stations.

**SOILS:** *USGS/NRCS* NATIONAL SOILS DATABASE - Database comprised of the State Soil Geographic (STATSGO) data for the conterminous United States, Soil Survey Geographic (SSURGO) and Digital Data Series Bedrock data. These databases contain information regarding soil characteristics such as water capacity, percent clay, organic material, permeability, thickness of layers, hydrological characteristics, quality of drainage, surface, slope, liquid limit, and the annual frequency of flooding.

**PADS:** *EPA* DATABASE OF PCB HANDLERS - Database of PolyChlorinatedBiPhenol generators, transporters, storers and/or disposers that are required to register with the EPA. This database indicates the type of handler and registration number. Also included is the PCB Transformer Registration Database.



**RADON:** *NTIS* NATIONAL RADON DATABASE - EPA radon data from 1990-1991 national radon project collected for a variety of zip codes across the United States.

## Environmental FirstSearch Database Sources

**NPL:** *EPA* Environmental Protection Agency

*Updated quarterly*

**CERCLIS:** *EPA* Environmental Protection Agency

*Updated quarterly*

**NFRAP:** *EPA* Environmental Protection Agency.

*Updated quarterly*

**RCRA TSD:** *EPA* Environmental Protection Agency.

*Updated quarterly*

**RCRA COR:** *EPA* Environmental Protection Agency.

*Updated quarterly*

**RCRA GEN:** *EPA* Environmental Protection Agency.

*Updated quarterly*

**RCRA NLR:** *EPA* Environmental Protection Agency

*Updated quarterly*

**ERNS:** *EPA/NRC* Environmental Protection Agency

*Updated semi-annually*

**NPDES:** *EPA* Environmental Protection Agency

*Updated quarterly*

**FINDS:** *EPA* Environmental Protection Agency

*Updated annually*

**TRIS:** *EPA* Environmental Protection Agency.

*Updated quarterly*

**REG UST/AST:** *HI DOH* The Hawaii Department of Health, Solid and Hazardous Waste Branch

*Updated biannually*

**LEAKING UST:** *HI DOH* The Hawaii Department of Health, Solid and Hazardous Waste Branch

*Updated biannually*

**WETLANDS:** *US FWS* U.S. Fish and Wildlife Service

*Updated when available*

**FLOODPLAINS:** *FEMA* Federal Emergency Management Agency

*Updated when available*

**RECEPTORS:** *US DOC* US Department of Commerce, Census Bureau

*Updated periodically*

**NUCLEAR PERMITS:** *EPA/NRC* Nuclear Regulatory Commission

*Updated periodically*

**HISTORIC/LANDMARK:** *NPS* National Park Service

*Updated annually*

**FEDERAL LAND USE:** *USGS/EPA* U.S. Geological Survey

*Updated annually*

**FEDERAL WELLS:** *USGS* United States Geographical Survey.

*Updated annually*

**RELEASES(AIR/WATER):** *EPA/NRC* Environmental Protection Agency

*Updated semi-annually*

**HMIRS:** *US DOT* US Department of Transportation

*Updated quarterly*

**NCDB:** *EPA* Environmental Protection Agency

*Updated quarterly*

**OTHER:** *EPA* Environmental Protection Agency

*Updated quarterly*

**TOWERS:** *FAA/FCC* Federal Aviation Administration

*Updated*

**SOILS:** *USGS/NRCS* United States Geographical Survey

*Updated annually*

**PADS:** *EPA* Environmental Protection Agency

*Updated quarterly*

**RADON:** *NTIS* Environmental Protection Agency, National Technical Information Services

*Updated periodically*

***Environmental FirstSearch***  
***Street Name Report for Streets within .25 Mile(s) of Target Property***

**TARGET SITE:** MAKALAPA NAVAL FAMILY HOUSING      **JOB:** 904283  
HONOLULU HI 96818      HAWAII NAVAL HOUSING

Street Name	Dist/Dir	Street Name	Dist/Dir
Abele St	0.22 SW	Malaai St	0.13 SE
Arizona St	0.13 NW	Midway Dr	0.00 --
Astoria St	0.24 NW	Neches St	0.16 NW
Betio Pl	0.00 --	Neosho St	0.24 NW
Bole St	0.20 SW	NOCOVERAGE	0.02 NE
Bougainville Dr	0.09 SE	North Rd	0.19 SW
C Ave	0.19 SW	Ohaiula Pl	0.19 NE
Downes St	0.15 SW	Ohokani Loop	0.16 NE
E 1st St	0.19 SW	Ohiakea St	0.12 NW
E 2nd St	0.24 SW	Ohiaku Pl	0.13 NE
EAST 1st St	0.19 SW	Ohiaku St	0.12 NW
EAST 2nd St	0.24 SW	Oklahoma St	0.18 NW
Edge St	0.19 SW	Opukea St	0.25 NE
Fleet Pl	0.05 NW	Palmyra Dr	0.08 SE
Halawa Dr	0.00 --	Pierce St	0.20 SW
I-H-1	0.01 SE	Quincy St	0.24 NW
Kalaloa St	0.20 NW	Radford Dr	0.00 --
Kamakani Pl	0.00 --	Samoa Pl	0.00 --
Kamehameha Hwy	0.00 --	San Juan St	0.21 NW
Kohomua St	0.23 NE	Shane St	0.19 SW
Kuahua Ave	0.25 SW	Tarawa Dr	0.08 SE
Lawehana St	0.10 SE	Ulihi Rd	0.00 --
Luapele Dr	0.01 NE	Ulithi St	0.01 NE
Main St	0.18 SW	Utah St	0.16 NW
Makalapa Dr	0.00 --		
Makin Pl	0.00 --		



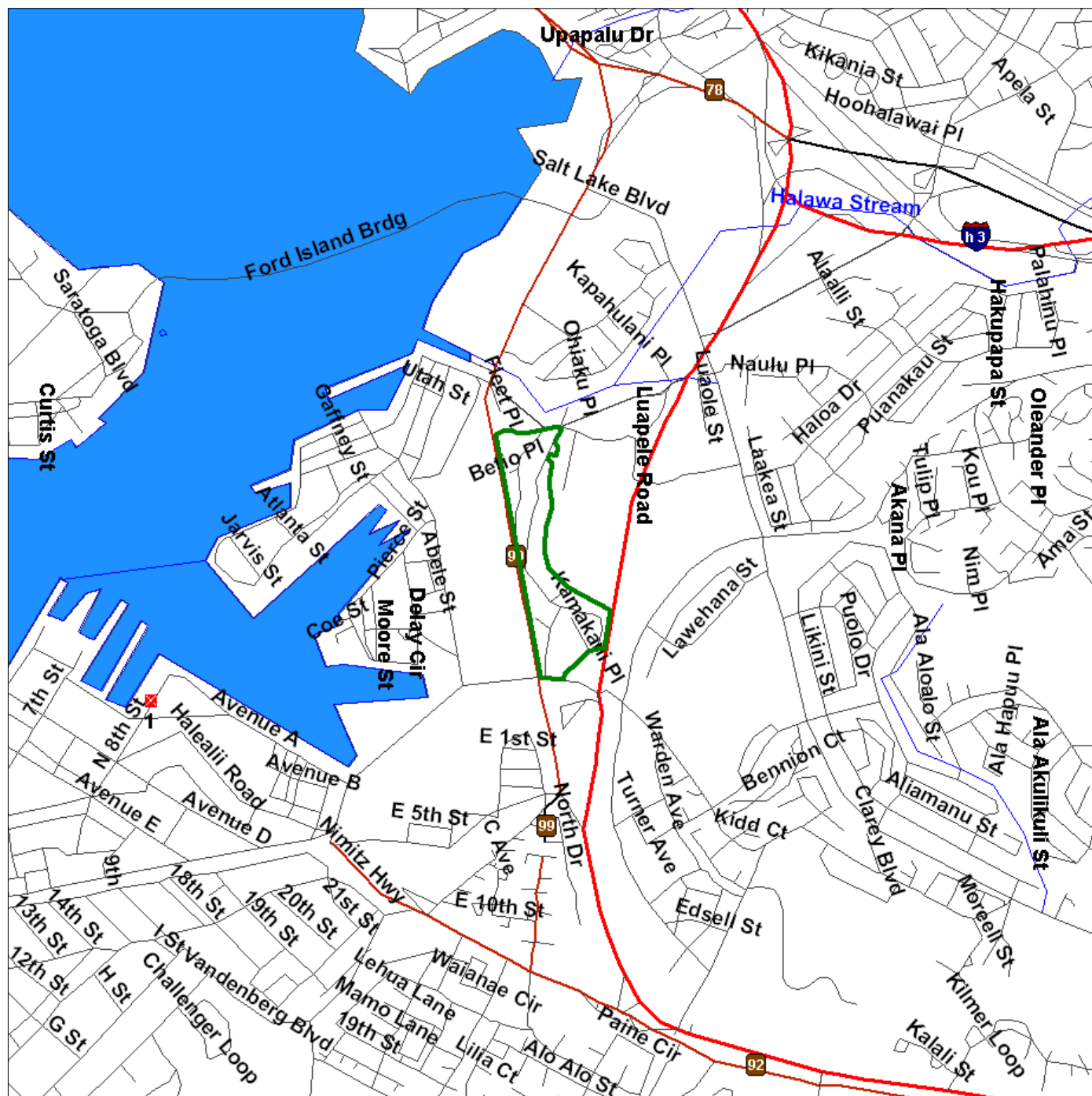


# Environmental FirstSearch

1 Mile Radius from Area  
ASTM: NPL, RCRA COR, STATE



## MAKALAPA NAVAL FAMILY HOUSING , HONOLULU HI 96818

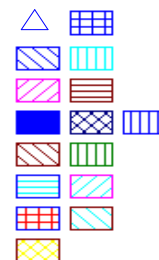


Source: U.S. Census TIGER Files

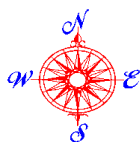
Area Polygon .....  
Identified Site, Multiple Sites, Receptor .....  
NPL, Brownfield, Solid Waste Landfill (SWL) or Hazardous Waste .....  
National Historic Sites and Landmark Sites .....  
Soil Sites .....  
Railroads .....



Public Water Supply, DEP Zone II Boundaries .....  
Potentially Productive Aquifers: High Yield (GAA), Medium Yield (GA) .....  
Non-Potential Drinking Source: High Yield (GB), Medium Yield (GC) ...  
Water Bodies, Sole Source Aquifer .....  
Area of Critical Environmental Concern (ACEC), Protected Open Spaces .....  
Estimated Habitats of Rare Wetlands Wildlife, Vernal Pool .....  
Floodplains: 100 Year, 500 Year .....  
Wetlands .....







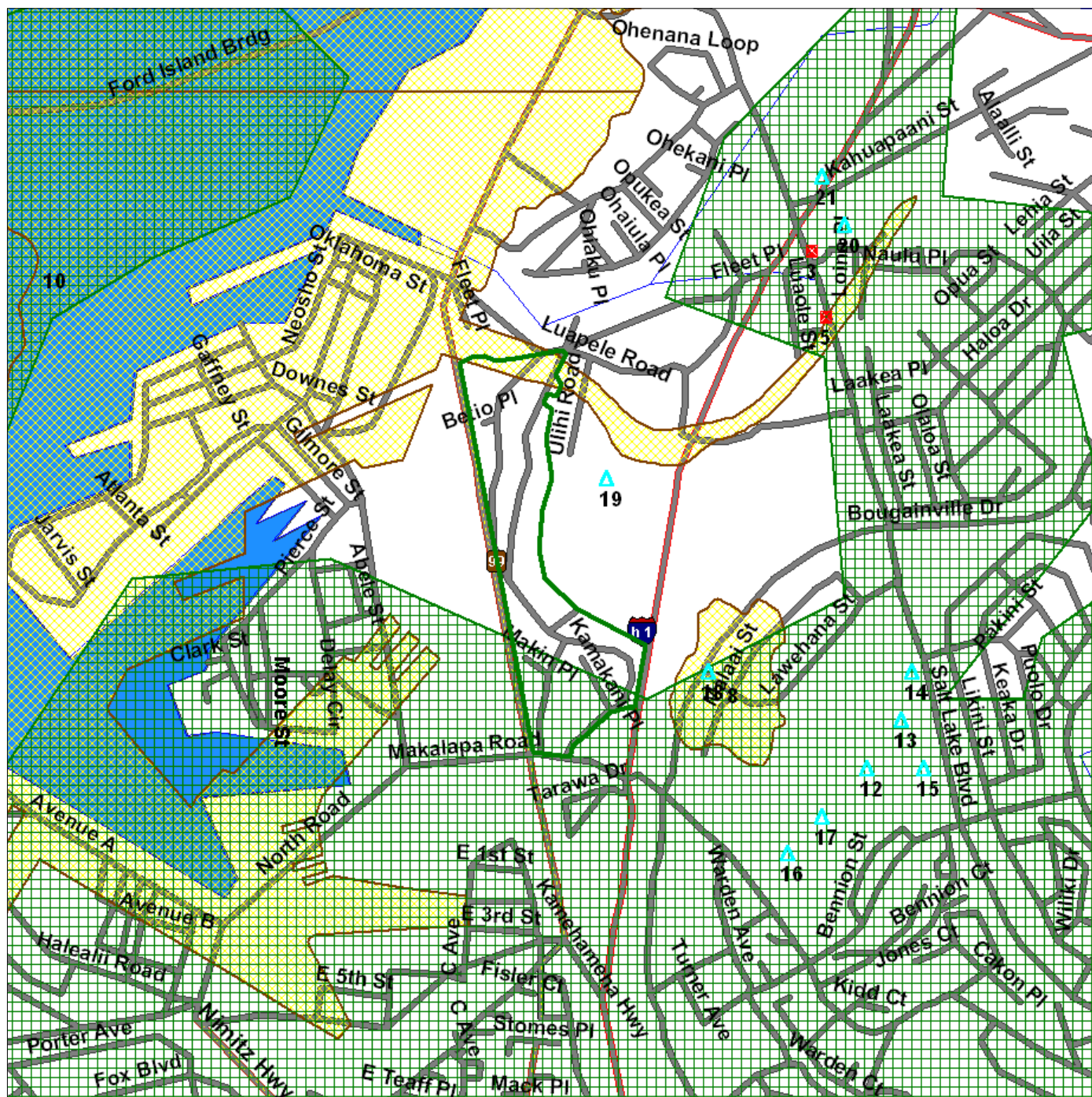
# Environmental FirstSearch

.5 Mile Radius from Area

ASTM: Multiple Databases



## MAKALAPA NAVAL FAMILY HOUSING , HONOLULU HI 96818

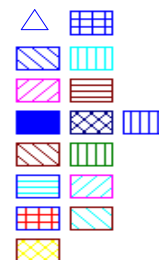


Source: U.S. Census TIGER Files

Area Polygon .....  
Identified Site, Multiple Sites, Receptor .....  
NPL, Brownfield, Solid Waste Landfill (SWL) or Hazardous Waste .....  
National Historic Sites and Landmark Sites .....  
Soil Sites .....  
Railroads .....

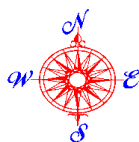


Public Water Supply, DEP Zone II Boundaries .....  
Potentially Productive Aquifers: High Yield (GAA), Medium Yield (GA) .....  
Non-Potential Drinking Source: High Yield (GB), Medium Yield (GC)...  
Water Bodies, Sole Source Aquifer .....  
Area of Critical Environmental Concern (ACEC), Protected Open Spaces .....  
Estimated Habitats of Rare Wetlands Wildlife, Vernal Pool .....  
Floodplains: 100 Year, 500 Year .....  
Wetlands .....









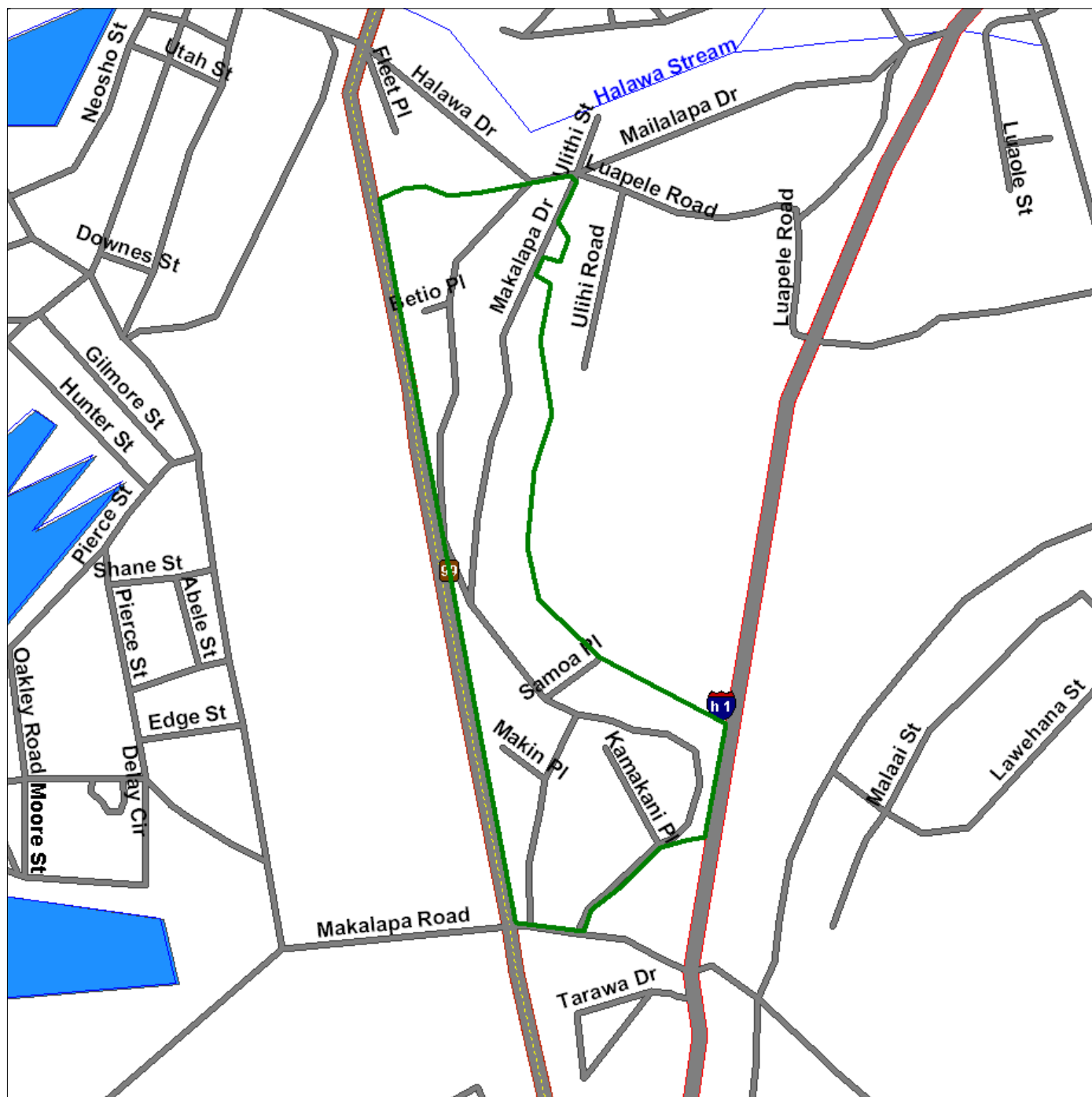
# Environmental FirstSearch

.12 Mile Radius from Area

ASTM: Multiple Databases



## MAKALAPA NAVAL FAMILY HOUSING , HONOLULU HI 96818

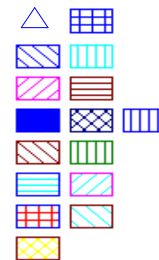


Source: U.S. Census TIGER Files

Area Polygon .....  
Identified Site, Multiple Sites, Receptor .....  
NPL, Brownfield, Solid Waste Landfill (SWL) or Hazardous Waste .....  
National Historic Sites and Landmark Sites .....  
Soil Sites .....  
Railroads .....



Public Water Supply, DEP Zone II Boundaries .....  
Potentially Productive Aquifers: High Yield (GAA), Medium Yield (GA) .....  
Non-Potential Drinking Source: High Yield (GB), Medium Yield (GC) ...  
Water Bodies, Sole Source Aquifer .....  
Area of Critical Environmental Concern (ACEC), Protected Open Spaces .....  
Estimated Habitats of Rare Wetlands Wildlife, Vernal Pool .....  
Floodplains: 100 Year, 500 Year .....  
Wetlands .....



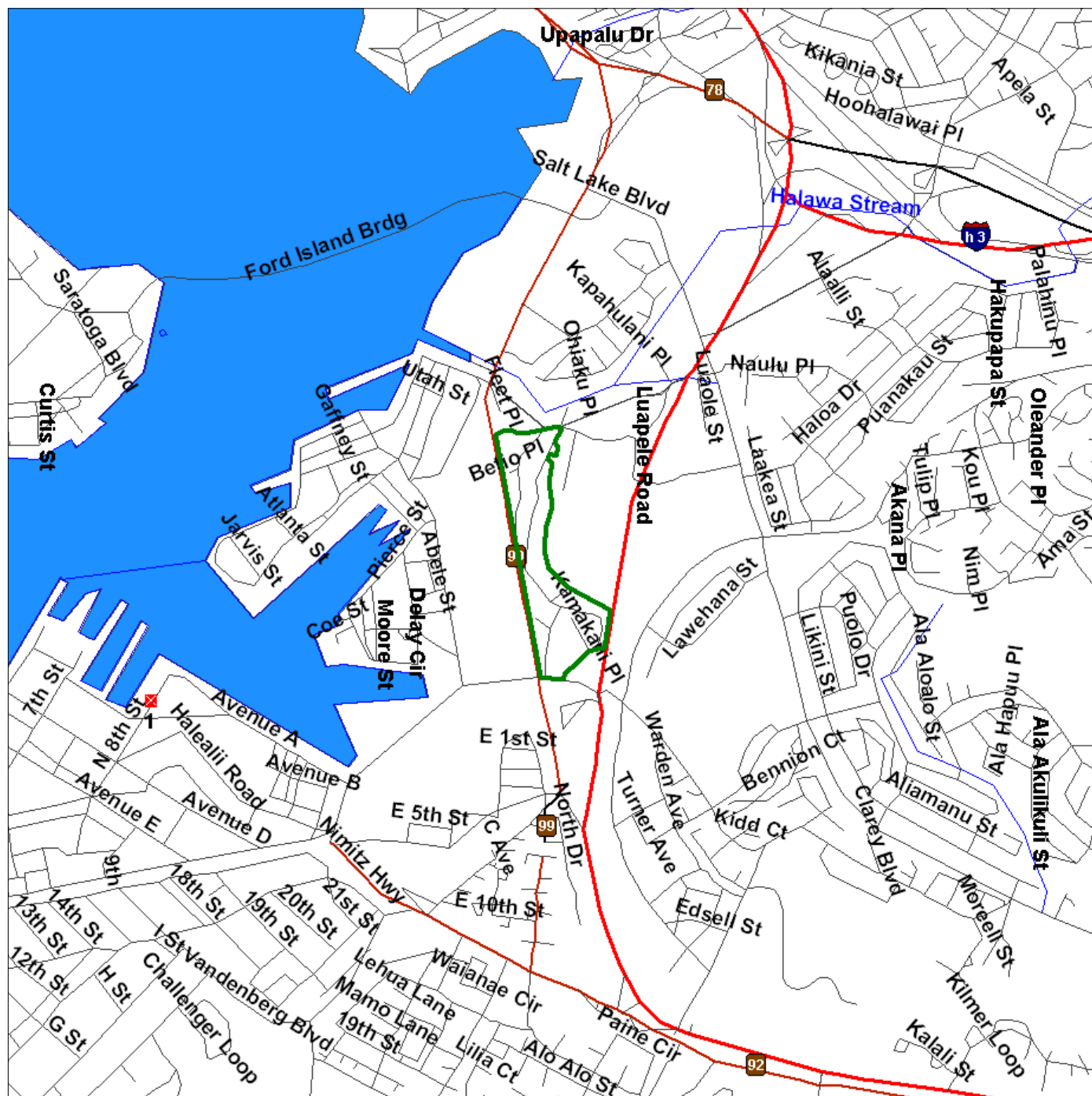


# Environmental FirstSearch

1 Mile Radius from Area  
ASTM Map: NPL, RCOR, STATE Sites

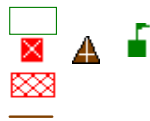


## MAKALAPA NAVAL FAMILY HOUSING , HONOLULU HI 96818



Source: U.S. Census TIGER Files

Area Polygon .....  
Identified Site, Multiple Sites, Receptor .....  
NPL, Brownfield, Solid Waste Landfill (SWL) or Hazardous Waste .....  
Railroads .....



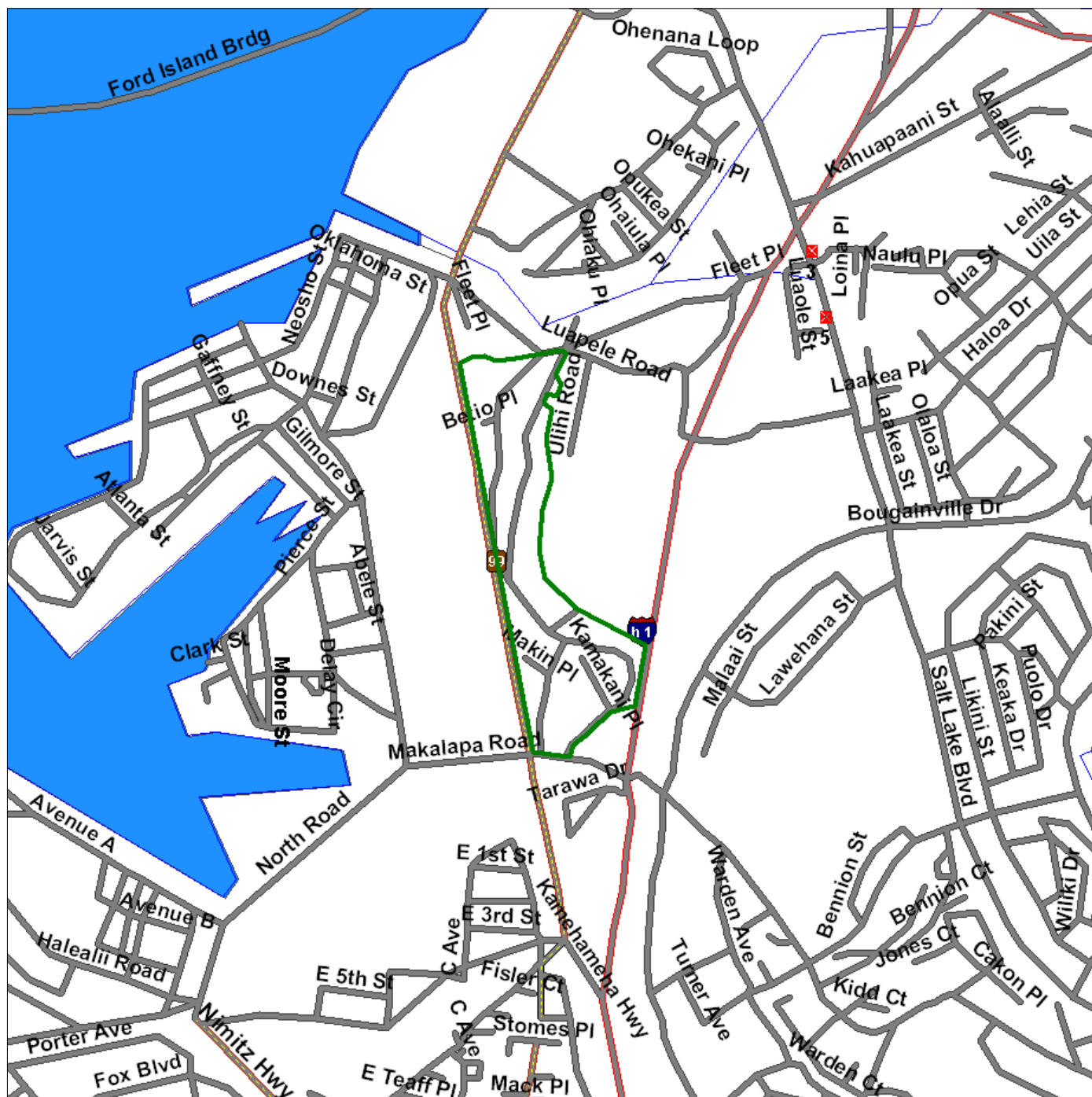


# Environmental FirstSearch

.5 Mile Radius from Area  
ASTM Map: CERCLIS, RCRATSD, LUST, SWL

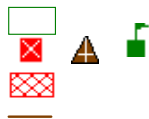


## MAKALAPA NAVAL FAMILY HOUSING , HONOLULU HI 96818



Source: U.S. Census TIGER Files

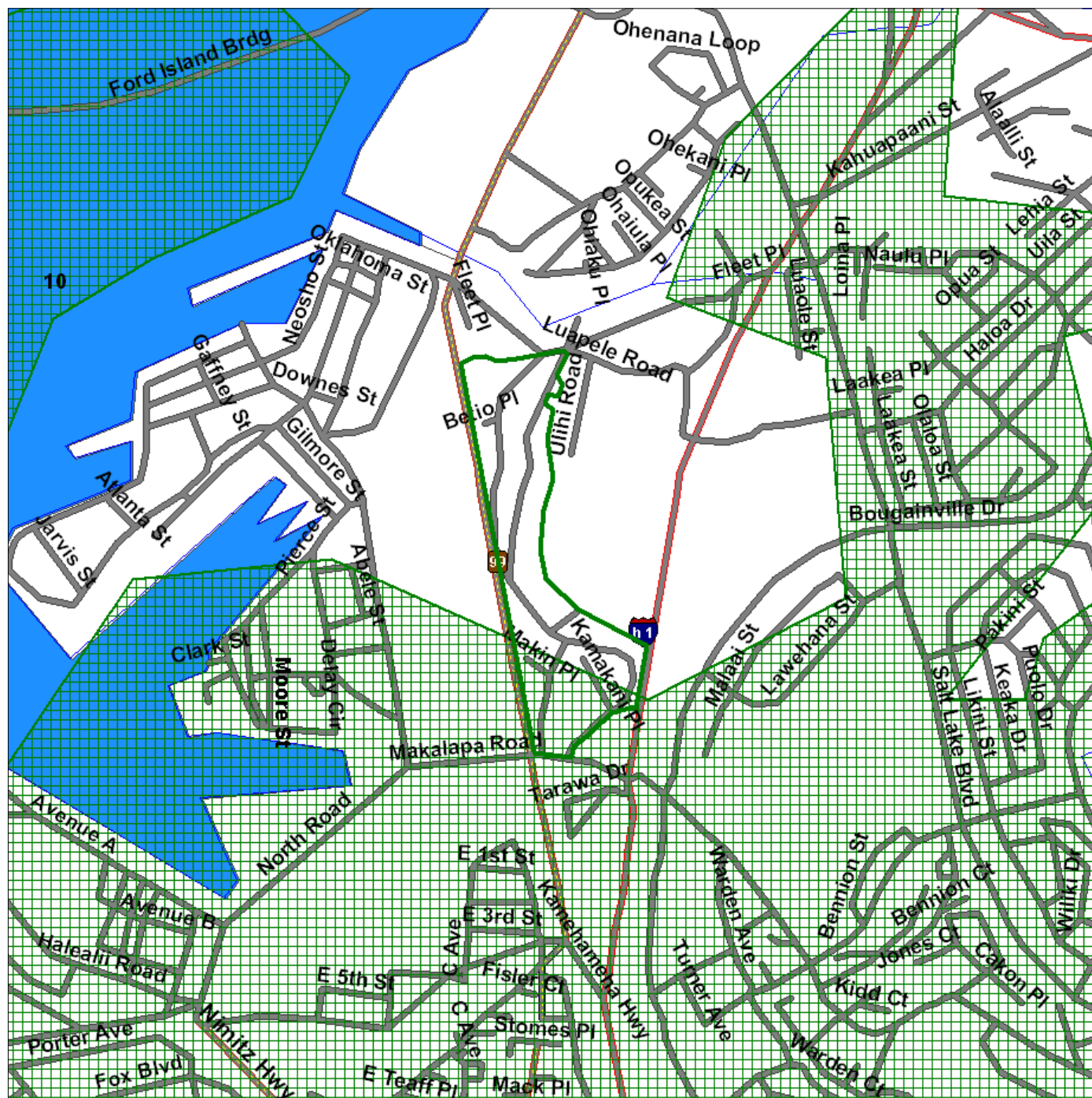
Area Polygon .....  
Identified Site, Multiple Sites, Receptor .....  
NPL, Brownfield, Solid Waste Landfill (SWL) or Hazardous Waste .....  
Railroads .....









**MAKALAPA NAVAL FAMILY HOUSING , HONOLULU HI 96818**

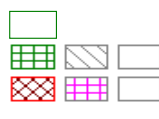
*Source: U.S. Census TIGER Files*

Area Polygon .....

Fed. Land Use: Wilderness Areas, Wildlife Preserves .....

Fed. Land Use: Amer. Indian Sacred Sites, End. Species' Habitats...

Railroads .....



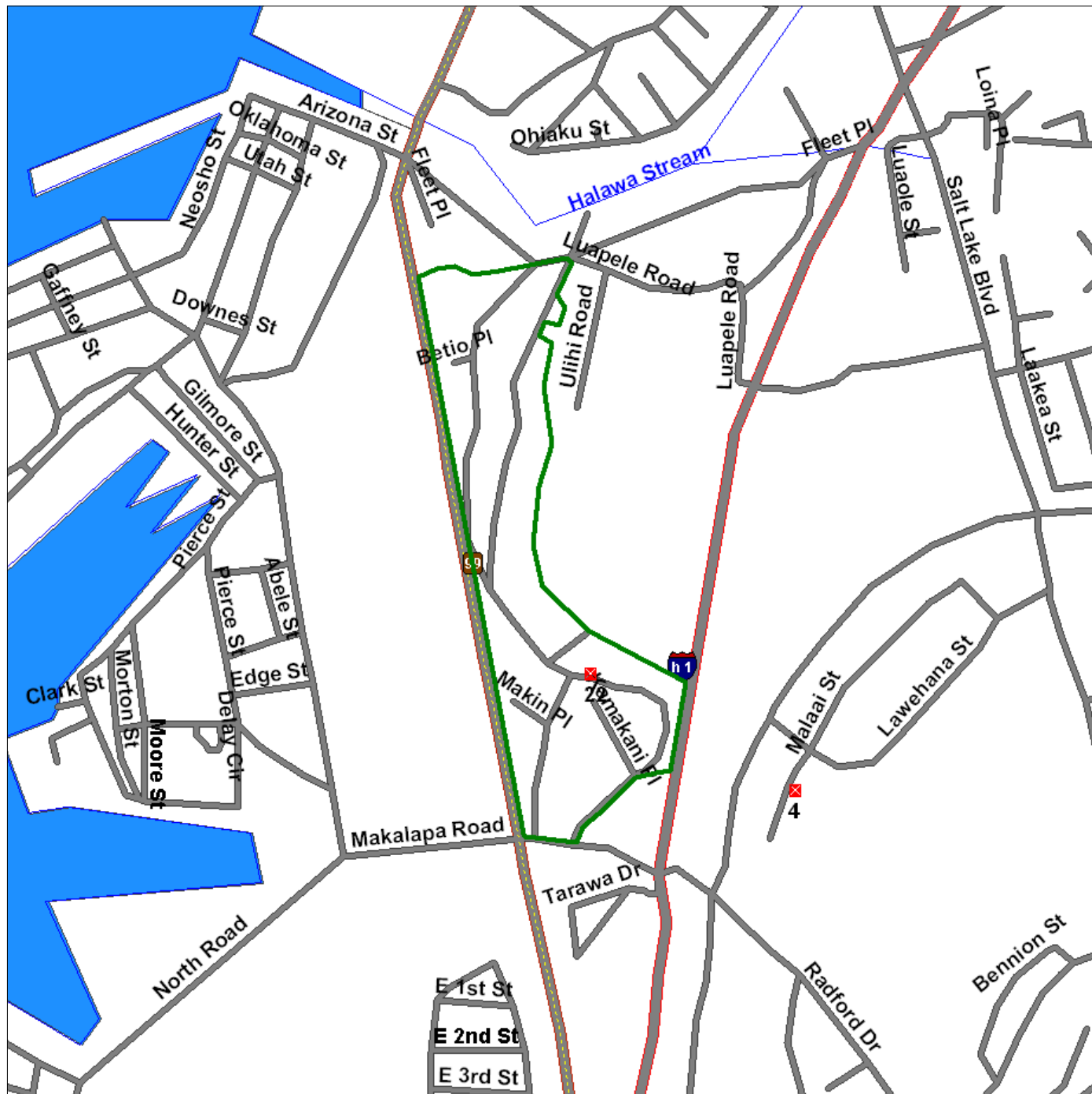


## Environmental FirstSearch

.25 Mile Radius from Area  
Non-ASTM Map: FINDS, NCDB



### MAKALAPA NAVAL FAMILY HOUSING , HONOLULU HI 96818



Source: U.S. Census TIGER Files

Area Polygon .....  
Identified Site, Multiple Sites, Receptor .....  
NPL, Brownfield, Solid Waste Landfill (SWL) or Hazardous Waste .....  
National Historic Sites and Landmark Sites .....  
Railroads .....





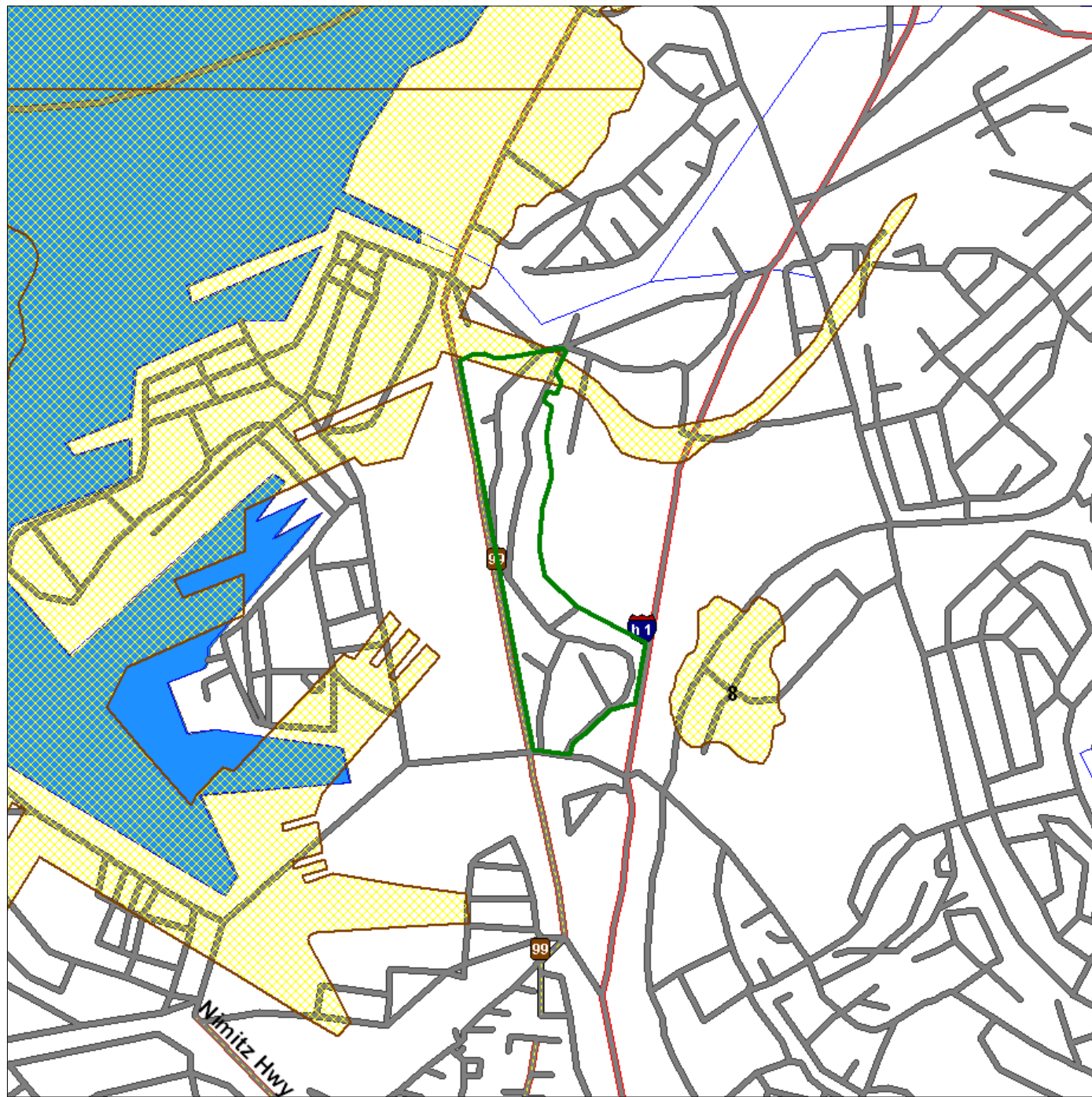


## Environmental FirstSearch

.5 Mile Radius from Area  
NEPA Map: WETLANDS



### MAKALAPA NAVAL FAMILY HOUSING , HONOLULU HI 96818



Source: U.S. Census TIGER Files

Area Polygon .....  
Identified Site, Multiple Sites, Receptor .....  
Wetlands .....  
Railroads .....



Black Rings Represent 1/4 Mile Radii; Red Ring Represents 500 ft. Radius

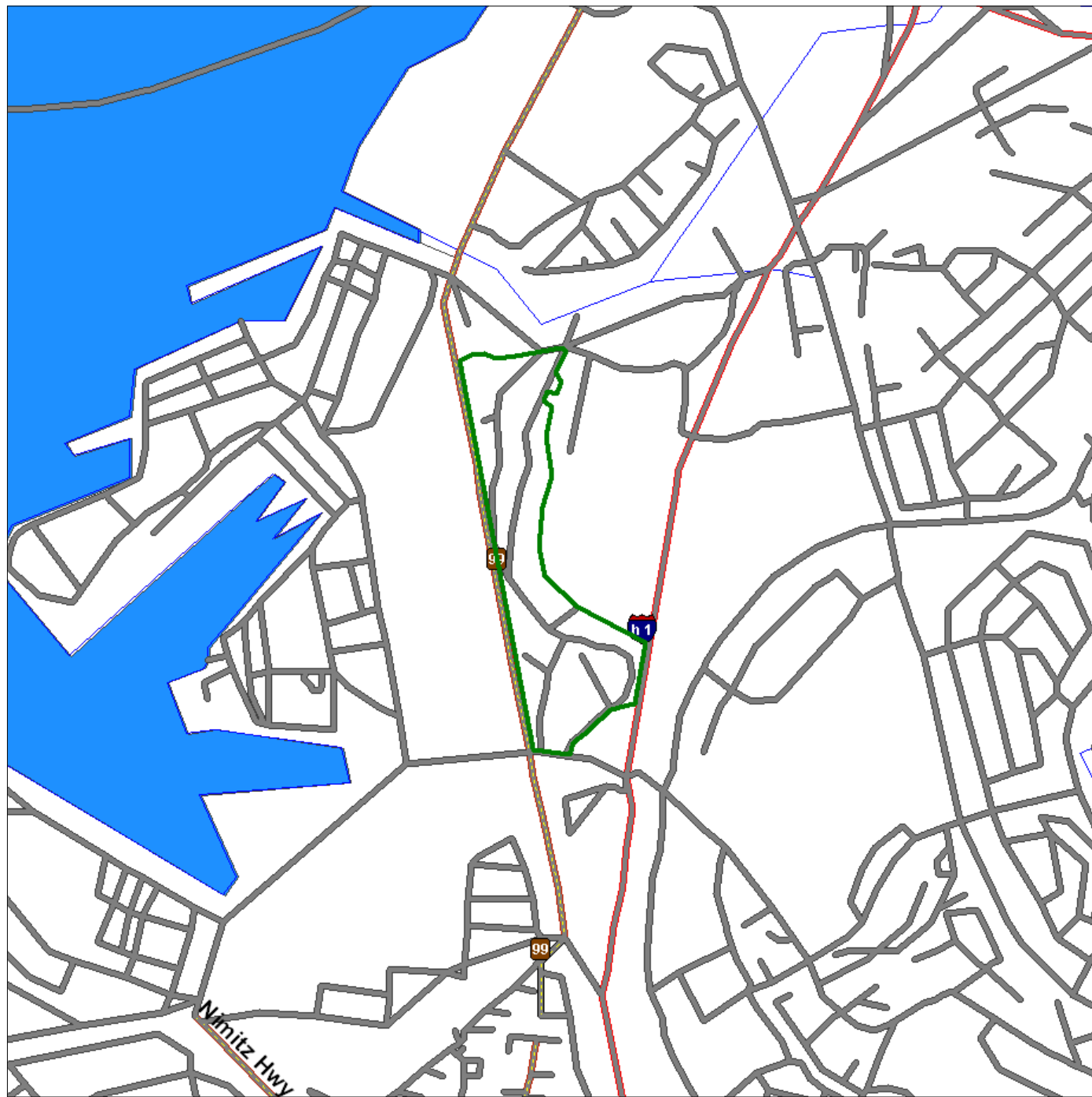


## Environmental FirstSearch

.5 Mile Radius from Area  
NEPA Map: FLOODPLAINS



### MAKALAPA NAVAL FAMILY HOUSING , HONOLULU HI 96818



Source: U.S. Census TIGER Files

Area Polygon .....	
Identified Site, Multiple Sites, Receptor .....	
Floodplains: 100 Year, 500 Year .....	
Railroads .....	

Black Rings Represent 1/4 Mile Radii; Red Ring Represents 500 ft. Radius

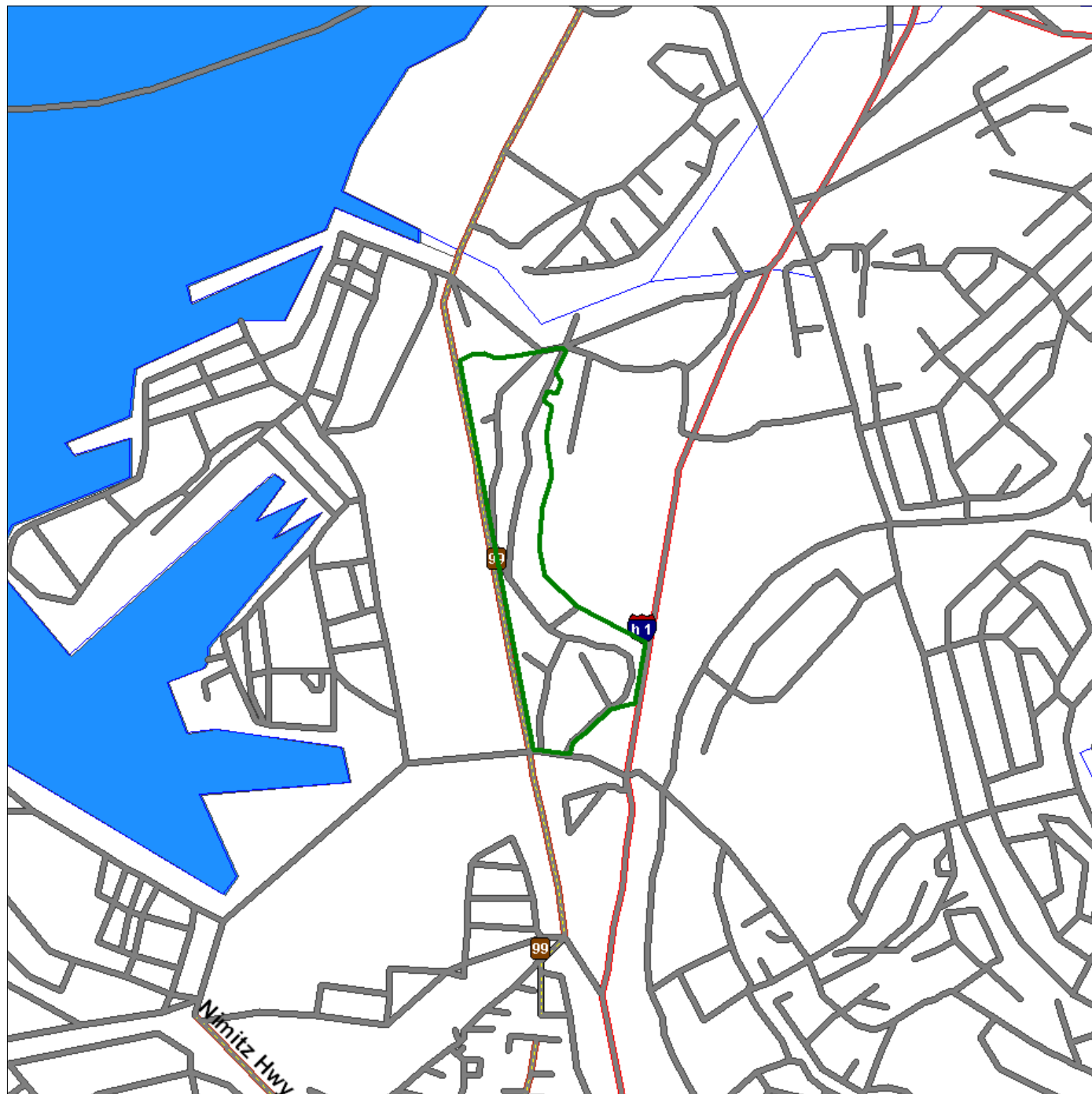


## Environmental FirstSearch






.5 Mile Radius from Area  
NEPA Map: ACEC SITES



### MAKALAPA NAVAL FAMILY HOUSING , HONOLULU HI 96818



Source: U.S. Census TIGER Files

Area Polygon .....	
Receptor .....	
Area of Critical Environmental Concern (ACEC), Protected Open Spaces .....	 
Railroads .....	

Black Rings Represent 1/4 Mile Radii; Red Ring Represents 500 ft. Radius

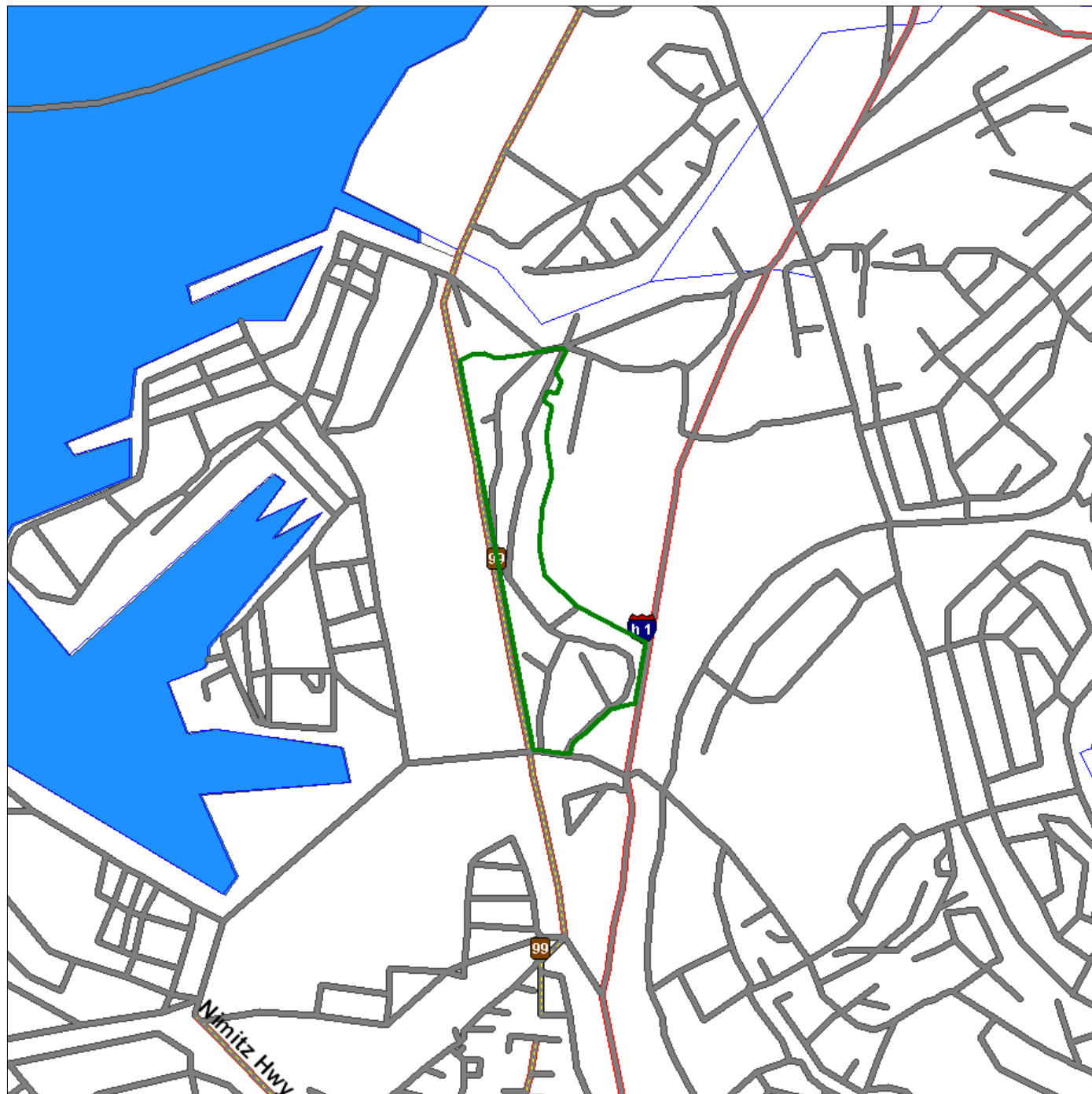


## Environmental FirstSearch

.5 Mile Radius from Area  
NEPA Map: HISTORIC SITES



### MAKALAPA NAVAL FAMILY HOUSING , HONOLULU HI 96818

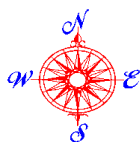


Source: U.S. Census TIGER Files

Area Polygon .....	
Receptor .....	
National Historic Sites and Landmark Sites .....	
Railroads .....	

Black Rings Represent 1/4 Mile Radii; Red Ring Represents 500 ft. Radius



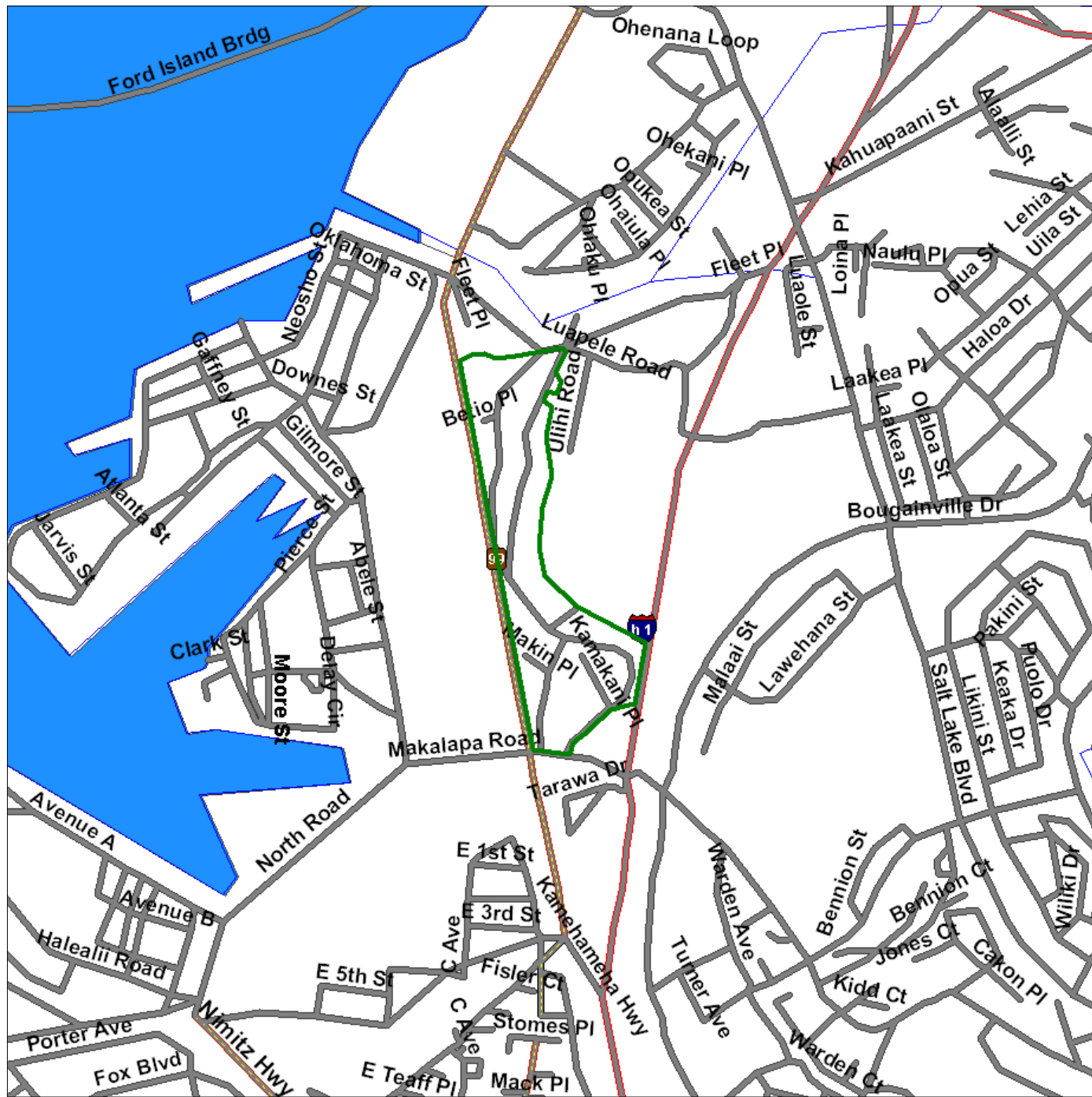


# Environmental FirstSearch

.5 Mile Radius from Area  
NEPA Map: LANDUSE



## MAKALAPA NAVAL FAMILY HOUSING , HONOLULU HI 96818



Source: U.S. Census TIGER Files

Area Polygon .....		
Receptor .....		
Fed. Land Use: Wilderness Areas .....		
Fed. Land Use: Wildlife Preserves .....		
Fed. Land Use: Amer. Indian Sacred Sites.....		
Fed. Land Use: Endangered Species' Habitats.....		
Railroads .....		

Black Rings Represent 1/4 Mile Radii; Red Ring Represents 500 ft. Radius



**TRACK ► INFO SERVICES, LLC**

# **Environmental FirstSearch™ Report**

**TARGET PROPERTY:**

**MAKALAPA DRIVE**

**HONOLULU HI 96818**

Job Number: 904283

**PREPARED FOR:**

Parsons

100 West Walnut Street

Pasadena, CA 91124

08-12-06



*Tel: (866) 664-9981*

*Fax: (818) 249-4227*

# ***Environmental FirstSearch Search Summary Report***

**Target Site:** MAKALAPA DRIVE  
HONOLULU HI 96818

## **FirstSearch Summary**

Database	Sel	Updated	Radius	Site	1/8	1/4	1/2	1/2>	ZIP	TOTALS
NFRAP	Y	06-08-06	0.50	0	0	0	0	-	1	1
Brownfield	Y	10-18-05	0.50	0	0	0	0	-	0	0
- TOTALS -				0	0	0	0	0	1	1

## **Notice of Disclaimer**

Due to the limitations, constraints, inaccuracies and incompleteness of government information and computer mapping data currently available to TRACK Info Services, certain conventions have been utilized in preparing the locations of all federal, state and local agency sites residing in TRACK Info Services's databases. All EPA NPL and state landfill sites are depicted by a rectangle approximating their location and size. The boundaries of the rectangles represent the eastern and western most longitudes; the northern and southern most latitudes. As such, the mapped areas may exceed the actual areas and do not represent the actual boundaries of these properties. All other sites are depicted by a point representing their approximate address location and make no attempt to represent the actual areas of the associated property. Actual boundaries and locations of individual properties can be found in the files residing at the agency responsible for such information.

## **Waiver of Liability**

Although TRACK Info Services uses its best efforts to research the actual location of each site, TRACK Info Services does not and can not warrant the accuracy of these sites with regard to exact location and size. All authorized users of TRACK Info Services's services proceeding are signifying an understanding of TRACK Info Services's searching and mapping conventions, and agree to waive any and all liability claims associated with search and map results showing incomplete and or inaccurate site locations.



***Environmental FirstSearch  
Site Information Report***

**Request Date:** 08-12-06  
**Requestor Name:** (b) (6)  
**Standard:** AAI

**Search Type:** AREA  
**Job Number:** 904283

**Filtered Report**

**TARGET ADDRESS:** MAKALAPA DRIVE  
HONOLULU HI 96818

***Demographics***

<b>Sites:</b> 1	<b>Non-Geocoded:</b> 1	<b>Population:</b> NA
<b>Radon:</b> -1.2 - 4.8 PCI/L		

***Site Location***

	<u>Degrees (Decimal)</u>	<u>Degrees (Min/Sec)</u>		<u>UTMs</u>
<b>Longitude:</b>	-157.93776	-157:56:16	<b>Easting:</b>	610135.956
<b>Latitude:</b>	21.361223	21:21:40	<b>Northing:</b>	2362358.865
			<b>Zone:</b>	4

***Comment***

**Comment:**RERUN ASTM 05

***Additional Requests/Services***

**Adjacent ZIP Codes:** 1 Mile(s)

**Services:**

ZIP Code	City Name	ST	Dist/Dir	Sel
96701	AIEA	HI	0.00 --	Y
96860	PEARL HARBOR	HI	0.00 --	Y

	Requested?	Date
Sanborns	No	
Aerial Photographs	No	
Historical Topos	No	
City Directories	No	
Title Search	No	
Municipal Reports	No	
Online Topos	No	

***Environmental FirstSearch  
Sites Summary Report***

**TARGET SITE:**     MAKALAPA DRIVE  
                         HONOLULU HI 96818

**JOB:**     904283  
         RERUN ASTM 05

**TOTAL:**     1                    **GEOCODED:**   0                    **NON GEOCODED:**   1                    **SELECTED:**     0

<b>Page No.</b>	<b>DB Type</b>	<b>Site Name/ID/Status</b>	<b>Address</b>	<b>Dist/Dir</b>	<b>Map ID</b>
1	NFRAP	HAWAIIAN ELECTRIC CO WAI AU GEN STA HIT000610873/NFRAP-N	559 KAMEHAMEHA HWY AIEA HI 96701	NON GC	

***Environmental FirstSearch  
Site Detail Report***

**TARGET SITE:**     MAKALAPA DRIVE  
                             HONOLULU HI 96818

**JOB:**     904283  
             RERUN ASTM 05

CERCLIS NFRAP

<b>SEARCH ID:</b> 1	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>
---------------------	-------------------------	----------------

<b>NAME:</b> HAWAIIAN ELECTRIC CO WAI AU GEN STA <b>ADDRESS:</b> 559 KAMEHAMEHA HWY AIEA HI 96701	<b>REV:</b> 3/8/06 <b>ID1:</b> HIT000610873 <b>ID2:</b> 0902897 <b>STATUS:</b> NFRAP-N <b>PHONE:</b> 4159723160
<b>CONTACT:</b> (b) (6)	

**DESCRIPTION:**

ACTION/QUALITY	AGENCY/RPS	START/RAA	END
ARCHIVE SITE	EPA In-House		09-01-1984
DISCOVERY	EPA Fund-Financed		07-01-1980
PRELIMINARY ASSESSMENT Low	EPA Fund-Financed		11-01-1980
SITE INSPECTION NFRAP (No Further Remedial Action Planned)	EPA Fund-Financed		09-01-1984

## Environmental FirstSearch Database Descriptions

**NFRAP:** *EPA* COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY INFORMATION SYSTEM ARCHIVED SITES - database of Archive designated CERCLA sites that, to the best of EPA's knowledge, assessment has been completed and has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

**RADON:** *NTIS* NATIONAL RADON DATABASE - EPA radon data from 1990-1991 national radon project collected for a variety of zip codes across the United States.

## Environmental FirstSearch Database Sources

**NFRAP:** *EPA* Environmental Protection Agency.

*Updated quarterly*

**RADON:** *NTIS* Environmental Protection Agency, National Technical Information Services

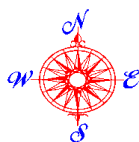
*Updated periodically*

***Environmental FirstSearch***  
***Street Name Report for Streets within .25 Mile(s) of Target Property***

**TARGET SITE:**     MAKALAPA DRIVE  
                         HONOLULU HI 96818

**JOB:**     904283  
             RERUN ASTM 05

<b>Street Name</b>	<b>Dist/Dir</b>	<b>Street Name</b>	<b>Dist/Dir</b>
Abele St	0.22 SW	Makin Pl	0.00 --
Arizona St	0.13 NW	Malaai St	0.13 SE
Astoria St	0.24 NW	Midway Dr	0.00 --
Betio Pl	0.00 --	Neches St	0.16 NW
Bole St	0.20 SW	Neosho St	0.24 NW
Bougainville Dr	0.09 SE	North Rd	0.19 SW
C Ave	0.19 SW	Ohaiula Pl	0.19 NE
Downes St	0.15 SW	Ohokani Loop	0.16 NE
E 1st St	0.19 SW	Ohiakea St	0.12 NW
E 2nd St	0.24 SW	Ohiaku Pl	0.13 NE
EAST 1st St	0.19 SW	Ohiaku St	0.12 NW
EAST 2nd St	0.24 SW	Oklahoma St	0.18 NW
Edge St	0.19 SW	Opukea St	0.25 NE
Fleet Pl	0.05 NW	Palmyra Dr	0.08 SE
Halawa Dr	0.00 --	Pierce St	0.20 SW
I-H-1	0.01 SE	Quincy St	0.24 NW
Kalaloa St	0.20 NW	Radford Dr	0.00 --
Kamakani Pl	0.00 --	Samoa Pl	0.00 --
Kamehameha Hwy	0.00 --	San Juan St	0.21 NW
Kohomua St	0.23 NE	Shane St	0.19 SW
Kuahua Ave	0.25 SW	Tarawa Dr	0.08 SE
Lawehana St	0.10 SE	Ulihi Rd	0.00 --
Luapele Dr	0.01 NE	Ulithi St	0.01 NE
Main St	0.18 SW	Utah St	0.16 NW
Makalapa Dr	0.00 --		



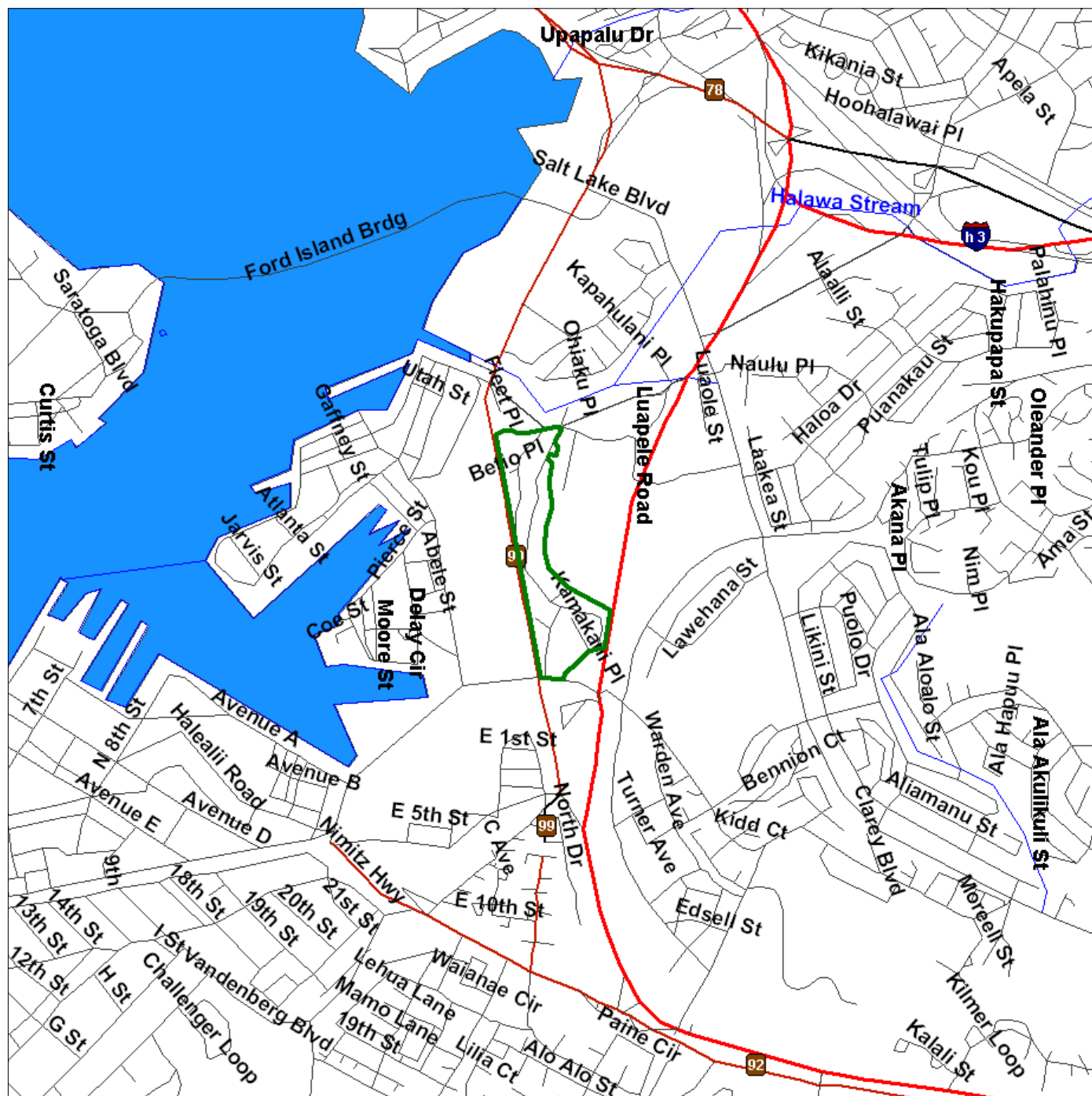
# Environmental FirstSearch

1 Mile Radius from Area

Single Map:

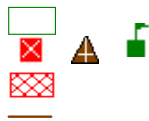


## MAKALAPA DRIVE , HONOLULU HI 96818



Source: U.S. Census TIGER Files

Area Polygon .....  
Identified Site, Multiple Sites, Receptor .....  
NPL, Brownfield, Solid Waste Landfill (SWL) or Hazardous Waste .....  
Railroads .....



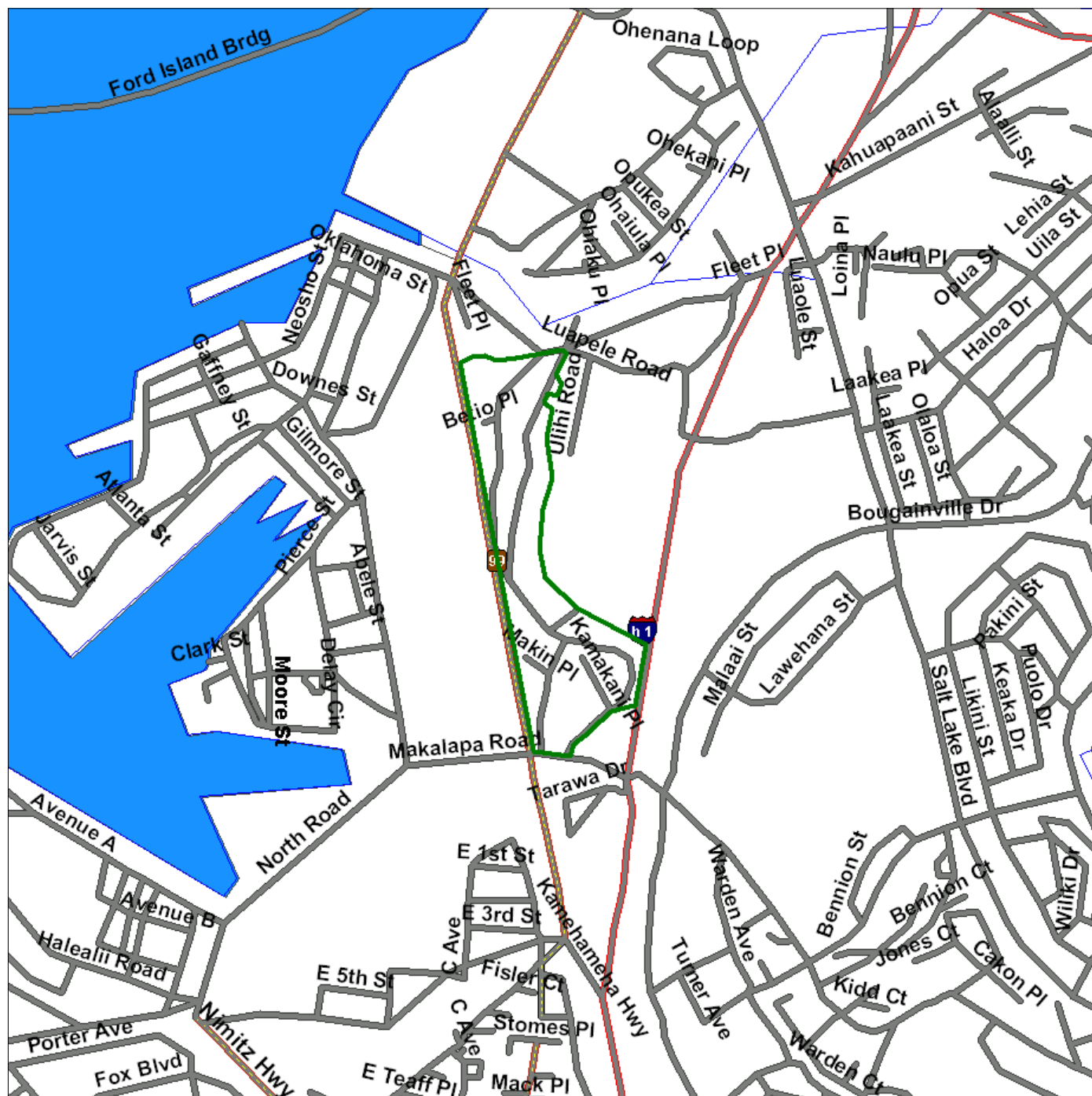


## Environmental FirstSearch

.5 Mile Radius from Area  
AAI: NFRAP, BROWNFIELD

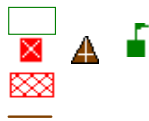


### MAKALAPA DRIVE , HONOLULU HI 96818



Source: U.S. Census TIGER Files

Area Polygon .....  
Identified Site, Multiple Sites, Receptor .....  
NPL, Brownfield, Solid Waste Landfill (SWL) or Hazardous Waste .....  
Railroads .....





## Appendix B

### HISTORICAL AERIAL PHOTOGRAPHS





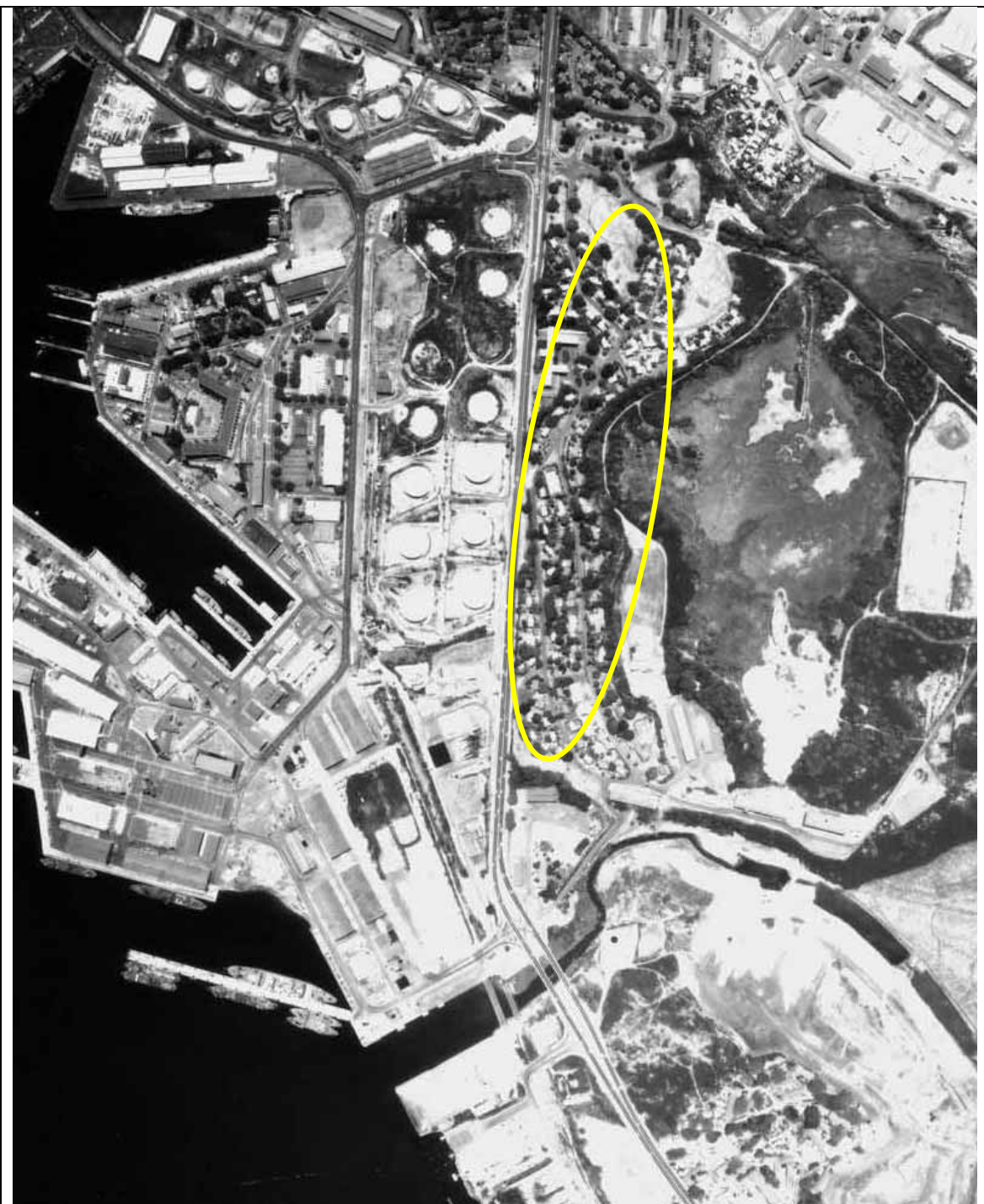
Source: Track Info Services



NORTH

NO SCALE

1950 Historical Aerial Photograph  
Makalapa Naval Family Housing



Source: *Track Info Services*

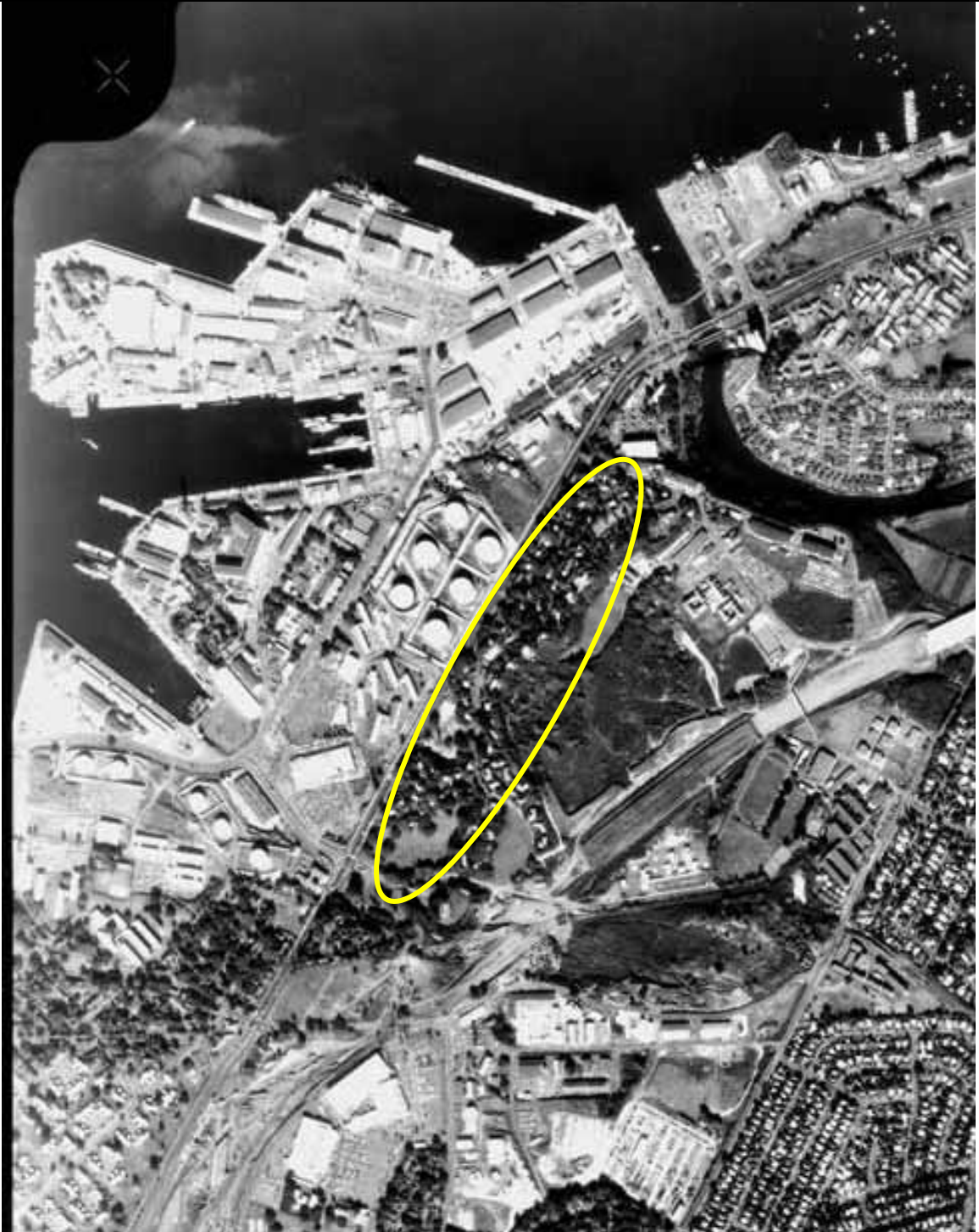


NORTH

NO SCALE

1964 Historical Aerial Photograph  
Makalapa Naval Family Housing





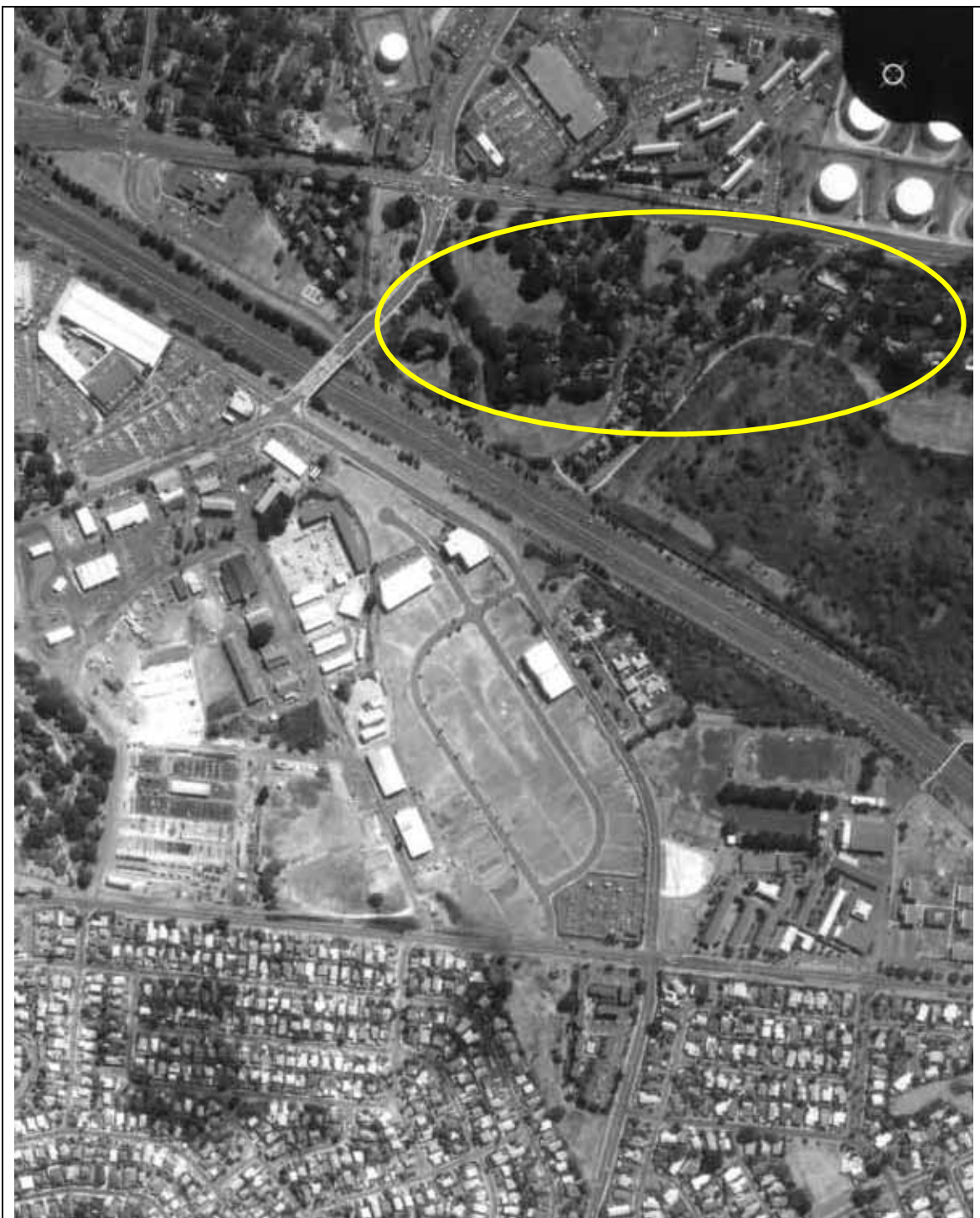
Source: *Track Info Services*



NORTH

NO SCALE

1974 Historical Aerial Photograph  
Makalapa Naval Family Housing



Source: *Track Info Services*

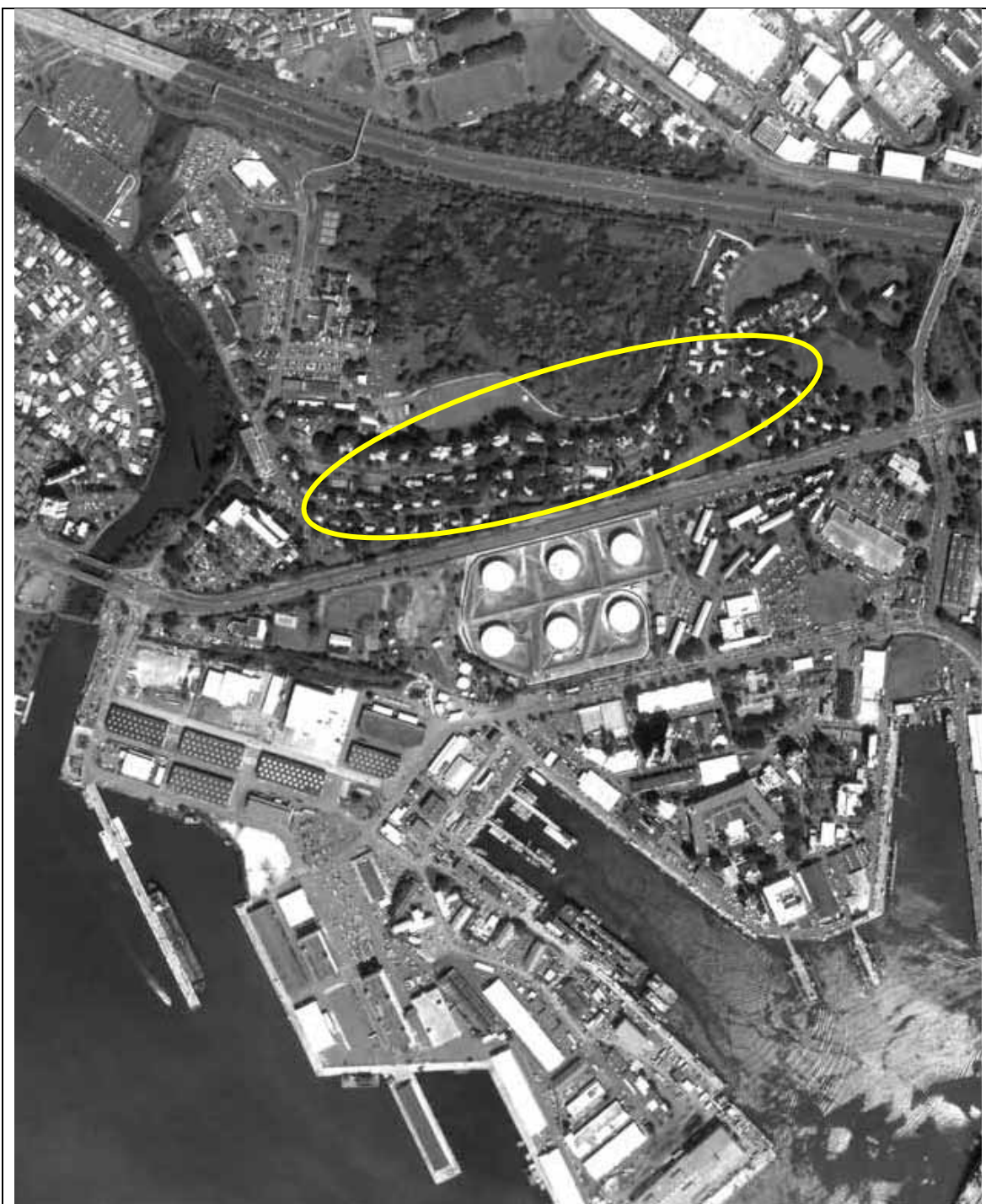


NORTH

NO SCALE

1985 Historical Aerial Photograph  
Makalapa Naval Family Housing





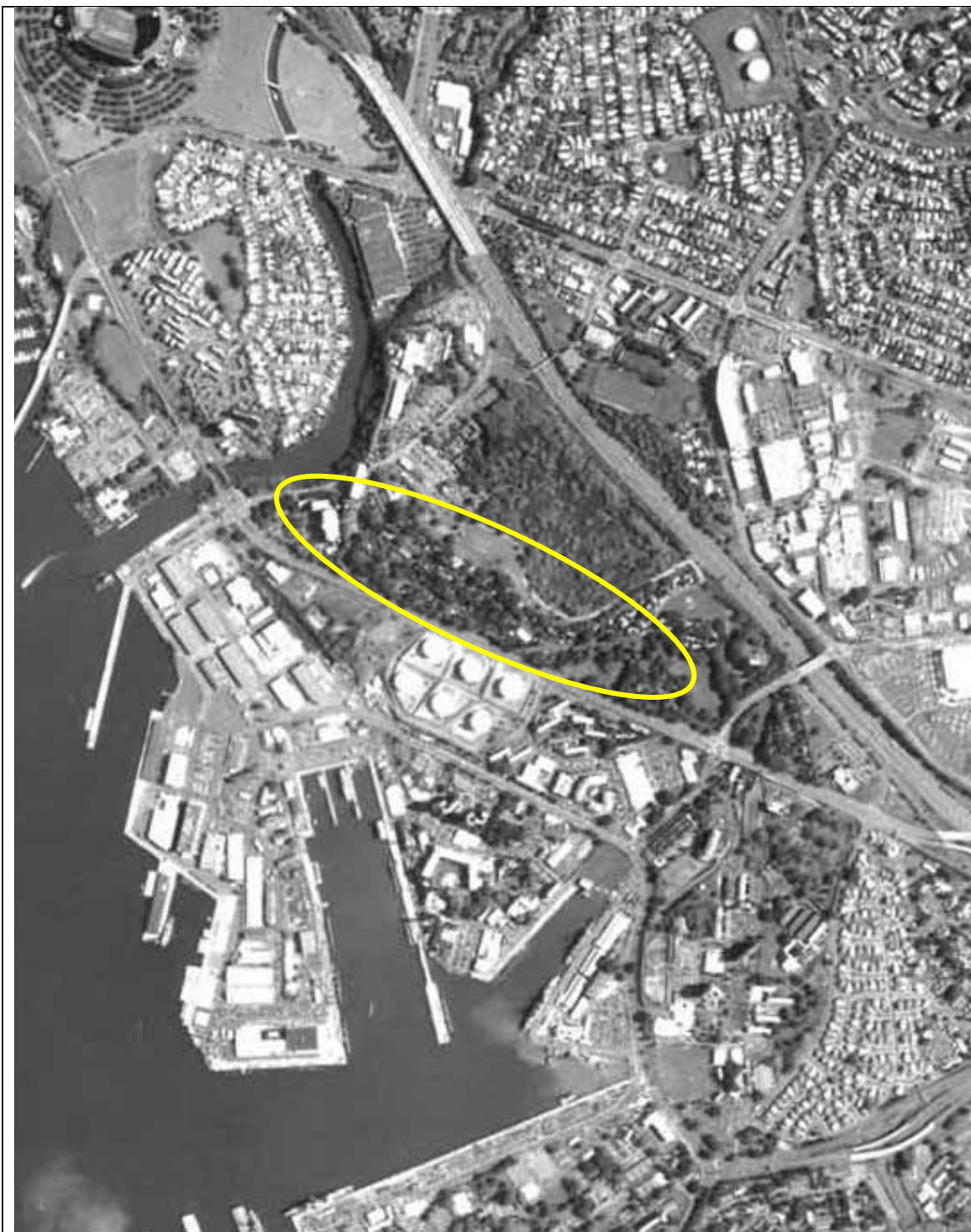
Source: *Track Info Services*



NORTH

NO SCALE

1994 Historical Aerial Photograph  
Makalapa Naval Family Housing



Source: *Track Info Services*



NORTH

NO SCALE

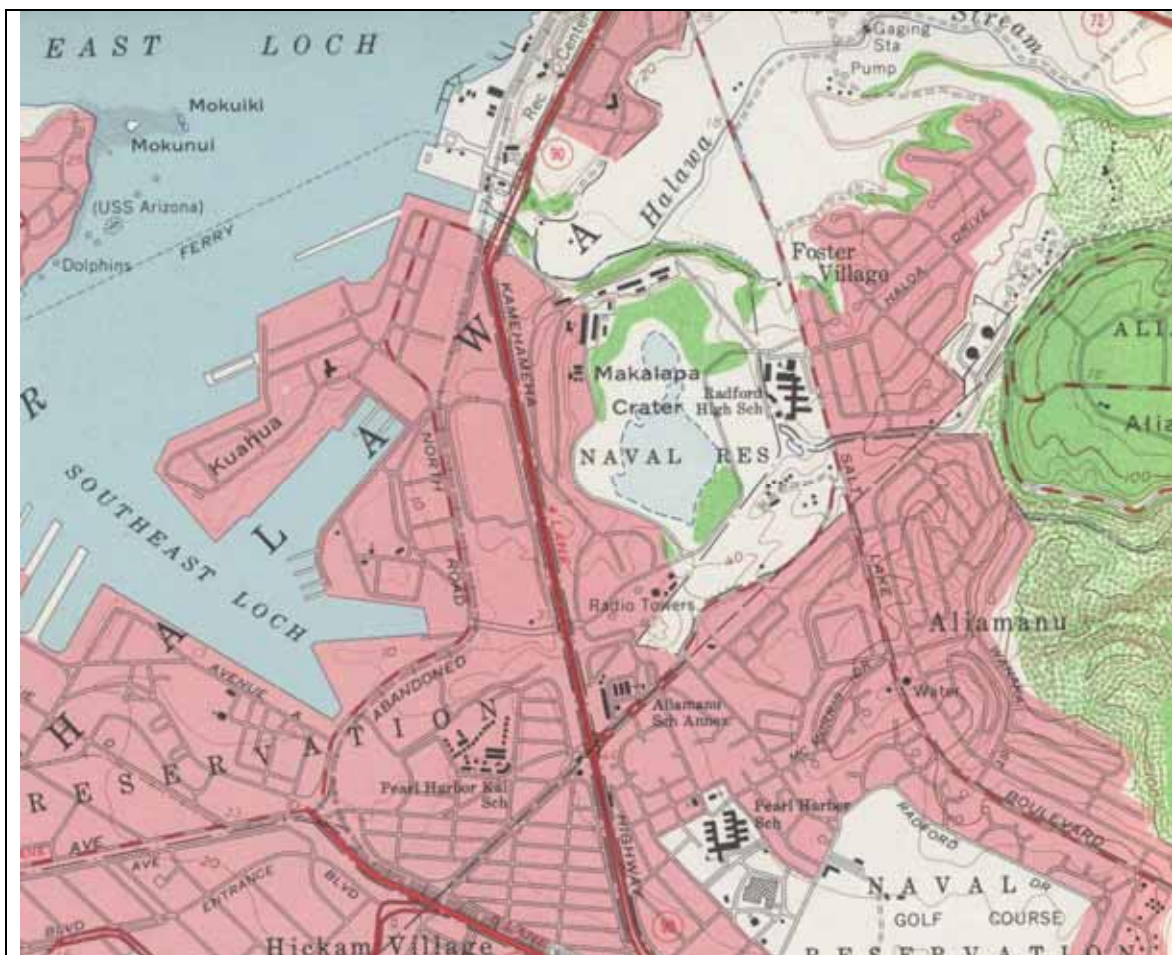
2003 Historical Aerial Photograph  
Makalapa Naval Family Housing



## Appendix C

### HISTORICAL TOPOGRAPHICAL MAPS



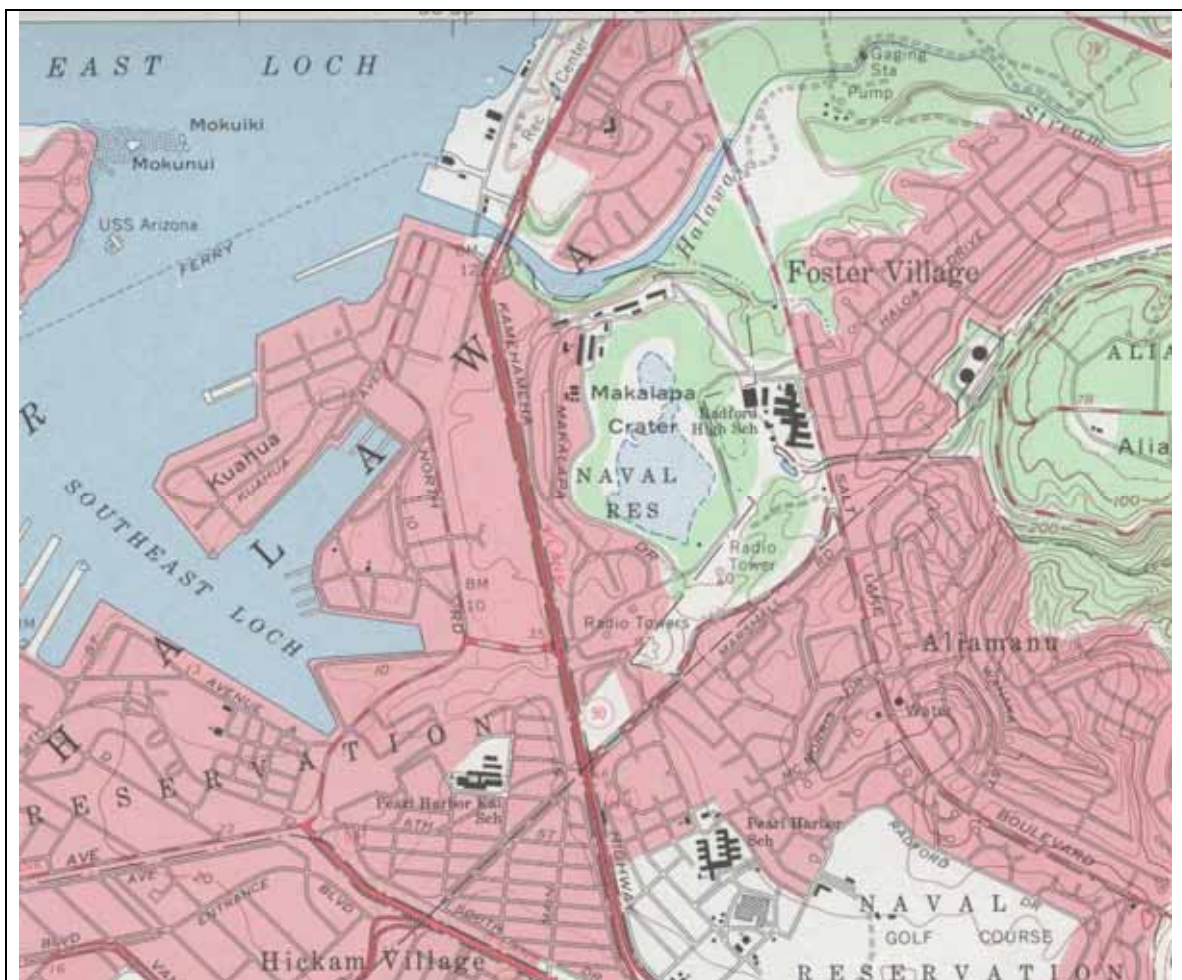


Source: USGS Puuloa, Hawaii Quadrangle, 7.5 Minute Series, 1959 (modified)



1 inch = 2117 feet  
SCALE

1959 Historical Topographic Map  
Makalapa Naval Family Housing



Source: USGS Puuloa, Hawaii Quadrangle, 7.5 Minute Series, 1968 (modified)



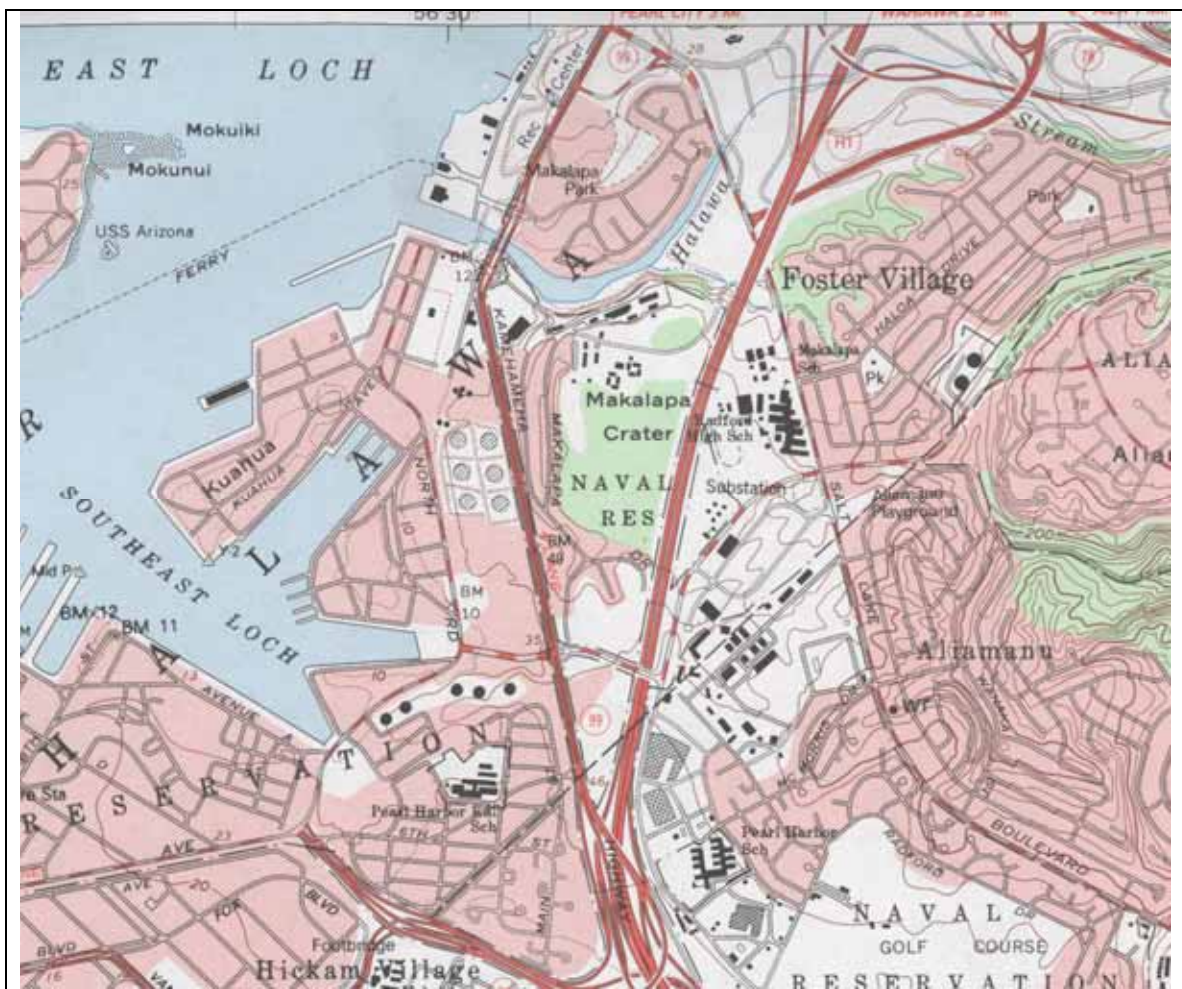
NORTH



1 inch = 2134 feet  
SCALE

1968 Historical Topographic Map  
Makalapa Naval Family Housing



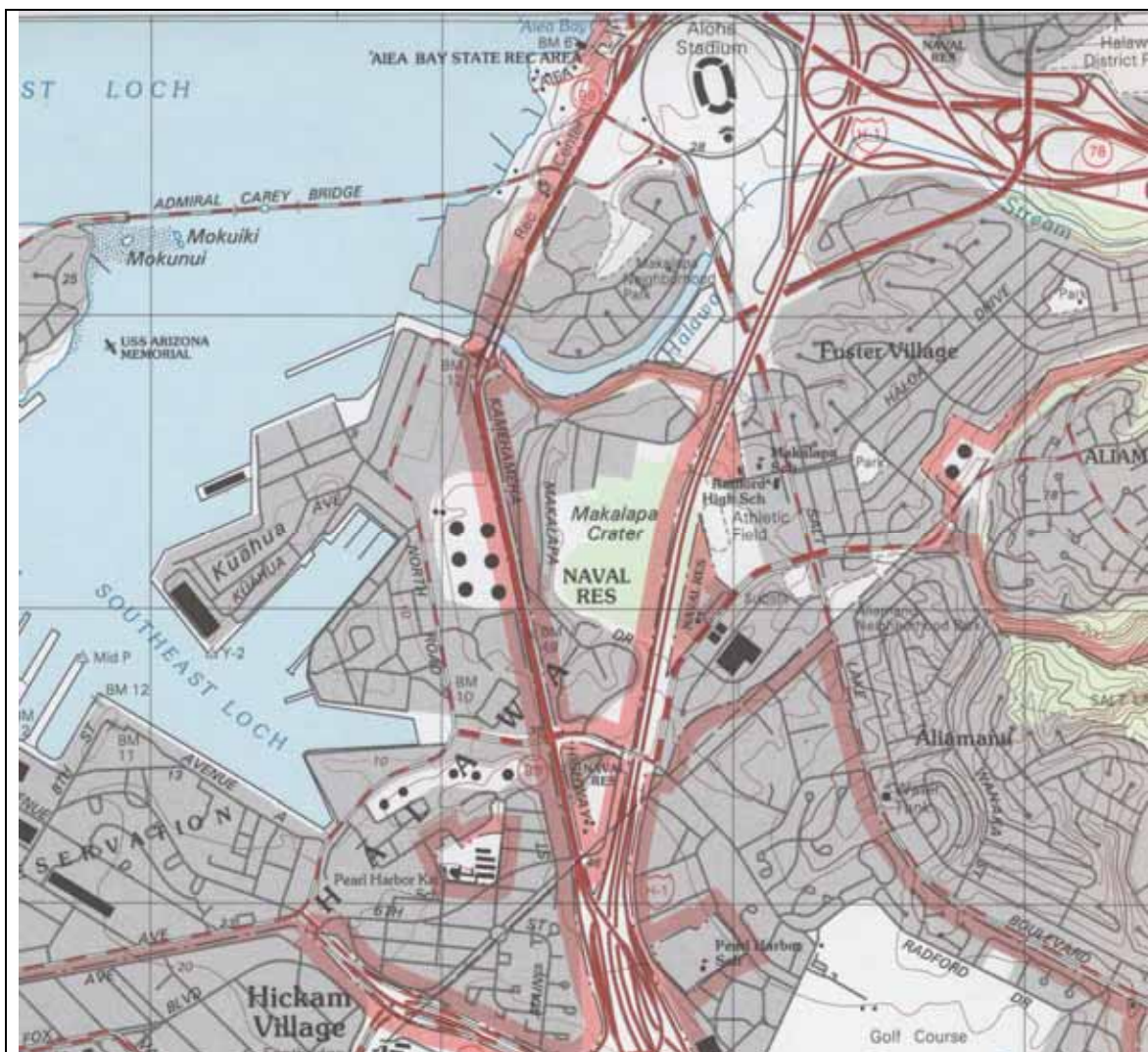


Source: USGS Pearl Harbor, Hawaii Quadrangle, 7.5 Minute Series, 1983 (modified)



1 inch = 2130 feet  
SCALE

1983 Historical Topographic Map  
Makalapa Naval Family Housing



Source: USGS Pearl Harbor, Hawaii Quadrangle, 7.5 Minute Series, 1999 (modified)



NORTH



1 inch = 2113 feet  
SCALE

1999 Historical Topographic Map  
Makalapa Naval Family Housing

**TRACK ► INFO SERVICES, LLC**

# **Environmental FirstSearch™ Report**

Target Property:

**MAKALAPA NAVAL FAMILY HOUSING**

**HONOLULU HI 96818**

Job Number: 904283

**PREPARED FOR:**

Parsons Engineering  
100 West Walnut Street  
Pasadena, CA 91124

02-11-06



*Tel: (866) 664-9981*

*Fax: (818) 249-4227*

# Environmental FirstSearch Search Summary Report

**Target Site:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

## FirstSearch Summary

Database	Sel	Updated	Radius	Site	1/8	1/4	1/2	1/2>	ZIP	TOTALS
NPL	Y	01-13-06	1.00	0	0	0	0	0	0	0
CERCLIS	Y	01-13-06	0.50	0	0	0	0	-	1	1
NFRAP	Y	08-01-05	0.12	0	0	-	-	-	1	1
RCRA COR ACT	Y	12-10-05	1.00	0	0	0	0	1	0	1
RCRA TSD	Y	09-22-05	0.50	0	0	0	0	-	0	0
RCRA GEN	Y	12-10-05	0.25	0	0	1	-	-	4	5
RCRA NLR	Y	12-10-05	0.12	0	0	-	-	-	3	3
ERNS	Y	12-31-05	0.12	0	0	-	-	-	1	1
State/Tribal Sites	Y	NA	1.00	0	0	0	0	0	0	0
State Spills 90	Y	NA	0.12	0	0	-	-	-	0	0
State Spills 80	Y	NA	0.12	0	0	-	-	-	0	0
State/Tribal SWL	Y	NA	0.50	0	0	0	0	-	0	0
State/Tribal LUST	Y	08-01-05	0.50	0	0	0	2	-	4	6
State/Tribal UST/AST	Y	08-01-05	0.25	0	0	1	-	-	3	4
State/Tribal Brownfields	Y	10-18-05	0.25	0	0	0	-	-	0	0
State Wells	Y	NA	0.50	0	0	0	0	-	0	0
Aquifers	Y	NA	0.50	0	0	0	0	-	0	0
State ACEC	Y	NA	0.50	0	0	0	0	-	0	0
Wetlands	Y	NA	0.50	1	1	0	1	-	0	3
Floodplains	Y	NA	0.50	0	0	0	0	-	0	0
Receptors	Y	NA	0.12	0	0	-	-	-	0	0
Historic Landmarks	Y	11-17-05	0.50	0	0	0	0	-	5	5
Federal Land Use	Y	01-27-05	0.50	1	0	0	1	-	0	2
Federal Wells	Y	05-19-03	0.50	0	2	0	8	-	0	10
FAA/FTC Towers	Y	01-15-04	0.25	0	3	0	-	-	1	4
USGS Soils	Y	03-18-97	0.25	0	0	0	-	-	0	0
NPDES	Y	10-14-05	0.25	0	0	0	-	-	0	0
FINDS	Y	09-12-05	0.25	0	0	1	-	-	6	7
TRIS	Y	12-01-05	0.25	0	0	0	-	-	0	0

### Notice of Disclaimer

Due to the limitations, constraints, inaccuracies and incompleteness of government information and computer mapping data currently available to TRACK Info Services, certain conventions have been utilized in preparing the locations of all federal, state and local agency sites residing in TRACK Info Services's databases. All EPA NPL and state landfill sites are depicted by a rectangle approximating their location and size. The boundaries of the rectangles represent the eastern and western most longitudes; the northern and southern most latitudes. As such, the mapped areas may exceed the actual areas and do not represent the actual boundaries of these properties. All other sites are depicted by a point representing their approximate address location and make no attempt to represent the actual areas of the associated property. Actual boundaries and locations of individual properties can be found in the files residing at the agency responsible for such information.

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- Continued on next page -



# ***Environmental FirstSearch Search Summary Report***

**Target Site:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

## **FirstSearch Summary**

<b>Database</b>	<b>Sel</b>	<b>Updated</b>	<b>Radius</b>	<b>Site</b>	<b>1/8</b>	<b>1/4</b>	<b>1/2</b>	<b>1/2&gt;</b>	<b>ZIP</b>	<b>TOTALS</b>
HMIRS	Y	03-15-05	0.12	0	0	-	-	-	1	1
NCDB	Y	08-30-04	0.25	1	0	0	-	-	0	1
PADS	Y	09-29-05	0.25	0	0	0	-	-	0	0
Nuclear Permits	Y	NA	0.50	0	0	0	0	-	0	0
Releases	Y	12-31-05	0.12	0	0	-	-	-	0	0
State Permits	Y	NA	0.25	0	0	0	-	-	0	0
State Other	Y	NA	0.25	0	0	0	-	-	0	0
- TOTALS -				3	6	3	12	1	30	55

## **Notice of Disclaimer**

Due to the limitations, constraints, inaccuracies and incompleteness of government information and computer mapping data currently available to TRACK Info Services, certain conventions have been utilized in preparing the locations of all federal, state and local agency sites residing in TRACK Info Services's databases. All EPA NPL and state landfill sites are depicted by a rectangle approximating their location and size. The boundaries of the rectangles represent the eastern and western most longitudes; the northern and southern most latitudes. As such, the mapped areas may exceed the actual areas and do not represent the actual boundaries of these properties. All other sites are depicted by a point representing their approximate address location and make no attempt to represent the actual areas of the associated property. Actual boundaries and locations of individual properties can be found in the files residing at the agency responsible for such information.

## **Waiver of Liability**

Although TRACK Info Services uses its best efforts to research the actual location of each site, TRACK Info Services does not and can not warrant the accuracy of these sites with regard to exact location and size. All authorized users of TRACK Info Services's services proceeding are signifying an understanding of TRACK Info Services's searching and mapping conventions, and agree to waive any and all liability claims associated with search and map results showing incomplete and or inaccurate site locations.

***Environmental FirstSearch  
Site Information Report***

**Request Date:** 02-11-06  
**Requestor Name:** (b) (6)  
**Standard:** ASTM

**Search Type:** AREA  
0.08 sq mile(s)  
**Job Number:** 904283  
**Filtered Report**

**Target Site:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

***Demographics***

<b>Sites:</b> 55	<b>Non-Geocoded:</b> 30	<b>Population:</b> NA
<b>Radon:</b> -1.2 - 4.8 PCI/L		

***Site Location***

	<u>Degrees (Decimal)</u>	<u>Degrees (Min/Sec)</u>		<u>UTMs</u>
<b>Longitude:</b>	-157.93776	-157:56:16	<b>Easting:</b>	610135.956
<b>Latitude:</b>	21.361223	21:21:40	<b>Northing:</b>	2362358.865
			<b>Zone:</b>	4

***Comment***

**Comment:**

***Additional Requests/Services***

**Adjacent ZIP Codes:** 1 Mile(s)

**Services:**

ZIP		ST	Dist/Dir	Sel
Code	City Name			
96701	AIEA	HI	0.00 --	Y
96860	PEARL HARBOR	HI	0.00 --	Y

	Requested?	Date
Sanborns	No	
Aerial Photographs	Yes	02/15/06
Historical Topos	Yes	02/15/06
City Directories	No	
Title Search/Env Liens	No	
Municipal Reports	No	
Online Topos	No	

# *Environmental FirstSearch*

## *Sites Summary Report*

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

**TOTAL:** 55      **GEOCODED:** 25      **NON GEOCODED:** 30      **SELECTED:** 0

Page No.	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID
1	NCDB	NAVY MONTESSORI SCHOOL NCDB-0801-069273/TSCA	BLDG 81 54 MAKALAPA DR HONOLULU HI 96818	0.00 --	1
3	WETLANDS	NATIONAL WETLANDS INVENTORY NWI-HI-1666/E1OWL	HI	0.00 --	2
3	LANDUSE	NAVY DOD PEARL HARBOR NAVAL STATIO 45978	HI	0.00 --	3
4	WETLANDS	NATIONAL WETLANDS INVENTORY NWI-HI-1714/PSS3/EM1C	HI	0.05 SE	4
4	TOWERS	NEXTEL COMMUNICATIONS HAWAII 00-AWP-1898-OE/ASR-DE	FOSTER VILLAGE HI	0.05 SE	5
5	TOWERS	CELLCO PARTNERSHIP 02-AWP-1316-OE/ASR-DE	FOSTER VILLAGE HI	0.07 SE	6
6	FEDWELLS	3-2156-04 W176-1 HAL FW-HI-1410/USGS GROUNDWATER INV	HI	0.09 NE	7
7	FEDWELLS	3-2156-03 W176 HALAW FW-HI-1378/USGS GROUNDWATER INV	HI	0.11 SE	8
8	TOWERS	12-0295/DOF	HONOLULU HI	0.12 SW	9
9	RCRAGN	ACCESS BUSINESS GROUP L L C PACIFI HIR000034421/VGN	4444 MALAAI ST HONOLULU HI 96818	0.13 SE	10
10	FINDS	3M CO HID097691877	4443 MALAAI ST HONOLULU HI 96818	0.14 SE	11
11	UST	TESORO GAS EXPRESS 19 9-101385/CURRENTLY IN USE	4259 LAWEHANA ST HONOLULU HI 96818	0.17 SE	12
12	FEDWELLS	3-2156-02 W172 HALAW FW-HI-1351/USGS GROUNDWATER INV	HI	0.34 SE	13
13	FEDWELLS	3-2156-01 W171 HALAW FW-HI-1350/USGS GROUNDWATER INV	HI	0.34 SE	14
14	FEDWELLS	3-2155-01 W173 HALAW FW-HI-1367/USGS GROUNDWATER INV	HI	0.38 SE	15
15	LANDUSE	NAVY DOD FORD ISLAND NAVAL STATION 45980	HI	0.38 NW	16
15	WETLANDS	NATIONAL WETLANDS INVENTORY NWI-HI-2142/E1OWL	HI	0.41 N-	17
16	FEDWELLS	3-2155-02 W174 HALAW FW-HI-1371/USGS GROUNDWATER INV	HI	0.42 SE	18
17	LUST	FASTOP STADIUM MALL 9-101200	4510 SALT LAKE BLVD HONOLULU HI 96818	0.42 NE	19
17	LUST	CHEVRON SS 208878 DBA SALT LAKE C 9-100849	4561 SALT LAKE BLVD HONOLULU HI 96818	0.42 NE	20
18	FEDWELLS	3-2155-03 W175 HALAW FW-HI-1377/USGS GROUNDWATER INV	HI	0.42 SE	21

***Environmental FirstSearch  
Sites Summary Report***

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

**TOTAL:** 55      **GEOCODED:** 25      **NON GEOCODED:** 30      **SELECTED:** 0

Page No.	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID
19	FEDWELLS	3-2155-05 W172-1 HAL FW-HI-1366/USGS GROUNDWATER INV	HI	0.47 SE	22
20	FEDWELLS	3-2256-02 W183 FW-HI-1472/USGS GROUNDWATER INV	HI	0.49 NE	23
21	FEDWELLS	3-2256-01 W182 FW-HI-1439/USGS GROUNDWATER INV	HI	0.49 NE	24
22	RCRACOR	PEARL HARBOR SHIPYARD AND MAINT F HI6170024339/CA	PEARL HARBOR NAVAL BASE PEARL HARBOR HI 96860	0.98 SW	25

# Environmental FirstSearch

## Sites Summary Report

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

**TOTAL:** 55      **GEOCODED:** 25      **NON GEOCODED:** 30      **SELECTED:** 0

Page No.	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID
25	FINDS	USNAVY PUBLIC WORKS CENTER MAKALAP HI0170090005	MAKALAPA PEARL HARBOR HI 96860	NON GC	
26	UST	FLEET INTELLIGENCE CENTER PACIFIC 9-100991/CURRENTLY IN USE	BLDG 352, MAKALAPA CRATER PEARL HARBOR HI 96860	NON GC	
27	LUST	FLEET INTELLIGENCE CENTER PACIFIC 9-100991	BLDG 352, MAKALAPA CRATER, PEARL HARBOR HI 96860	NON GC	
28	HMIRS	BHP PETROLEUM REFINING INC 1996050639/HIGHWAY (FOR HIRE)	64 1551 KAMEHAMEHA HWY HONOLULU HI	NON GC	
31	UST	JOINT INTELLIGENCE CENTER, PACIFIC 9-101850/CURRENTLY IN USE	MAKALAPA, TANK JPAC-3 BLDG PEARL HARBOR HI 96860	NON GC	
31	LUST	PEARL AUTO SERVICE and SUPPLY INC. 9-200293	98-064 KAMEHAMEHA HWY AIEA HI 96701	NON GC	
32	FINDS	TONY HONDA PEARLRIDGE HID981638059	98051 KAMEHAMEHA HWY ALEA HI 96701	NON GC	
32	FINDS	NAVY MONTESSORI SCH HI0000321430	BD 81, 54 MAKALAPA DR, MKL HORDLATHS HI 96818	NON GC	
32	UST	NAVAL WESTERN OCEANOGRAPHY CENTER 9-102465/CURRENTLY IN USE	BLDG 398 MAKALAPA CRATER PEARL HARBOR HI 96860	NON GC	
33	HISTSITES	WAR MEMORIAL NATATORIUM 80001283/STRUCTURE	KALAKAUA AVE. HONOLULU HI	NON GC	
34	HISTSITES	BATTERY SELFRIDGE 84000975/BUILDING	FT. KAMEHAMEHA HONOLULU HI	NON GC	
35	HISTSITES	BATTERY JACKSON 84000954/STRUCTURE	FT. KAMEHAMEHA HONOLULU HI	NON GC	
36	HISTSITES	BATTERY HAWKINS ANNEX 84000948/STRUCTURE	FT. KAMEHAMEHA HONOLULU HI	NON GC	
37	FINDS	HAWAIIAN ELECTRIC WAI AU GEN STATIO HIT000610873	559 KAMEHAMEHA HWY AIEA HI 96701	NON GC	
37	RCRANLR	TONY HONDA PEARLRIDGE HID981638059/NLR	98051 KAMEHAMEHA HWY ALEA HI 96701	NON GC	
38	CERCLIS	PEARL HARBOR PWC MAKALAPA PESTICID HI0170090005/PART OF NPL	NAVAL PUBLIC WKS CTR MAKALA PEARL HARBOR HI 96860	NON GC	
38	RCRAGN	CHEVRON 93970 HIR000136838/VGN	98 121 KAMEHAMEHA HWY AIEA HI 96701	NON GC	
39	TOWERS	VOICESTREAM PCS III CORPORATION 1222202/ASR	515 MAIN STREET, HICKMAN AI HONOLULU HI	NON GC	
40	LUST	MCGREW POINT AREA 9-102171	MCGREW LOOP X KAMEHAMEHA HW AIEA HI 96701	NON GC	
40	HISTSITES	BATTERY HASEBROUCK 84000925/BUILDING	FT. KAMEHAMEHA HONOLULU HI	NON GC	

# *Environmental FirstSearch*

## *Sites Summary Report*

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

**TOTAL:** 55      **GEOCODED:** 25      **NON GEOCODED:** 30      **SELECTED:** 0

Page No.	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID
41	FINDS	USDOD FLEET AND INDUSTRIAL SUPPLY HI0002381796	BLDG 229 MAKALAPA GATE PEARL HARBOR HI 96860	NON GC	
41	RCRAGN	NAVY PWC - MAKALAPA COMPOUND HI0170090005/LGN	MAKALAPA COMPOUND PEARL HARBOR HI 96860	NON GC	
42	NFRAP	HAWAIIAN ELECTRIC CO WAIU GEN STA HIT000610873/NFRAP-N	559 KAMEHAMEHA HWY AIEA HI 96701	NON GC	
43	RCRANLR	WASTE MANAGEMENT OF HAWAII INC HID981619034/NLR	98 021 KAMEHAMEHA HWY AIEA HI 96701	NON GC	
44	RCRANLR	USNAVY FLEET AND INDUSTRIAL SUPPLY HII170024342/NLR	BLDG 229 MAKALAPA GATE PEARL HARBOR HI 96860	NON GC	
46	RCRAGN	MOANALUA TERRACE NAVAL HOUSING ARE  HIR000135699/VGN	2500 RADFORD DR HONOLULU HI 96818	NON GC	
46	RCRAGN	TONY HONDA PEARLRIDGE HID981638059/VGN	98051 KAMEHAMEHA HWY ALEA HI 96701	NON GC	
47	ERNS	AIRCO 200825/FIXED FACILITY	AIRCO 2305 KAMEHAMEHA HWY HONOLULU HI	NON GC	
48	FINDS	INTEGRATED MEDIA INC HI0000900670	2908 KAMEHAMEHA HWY STE 101 HONOLULU HI 96818	NON GC	
48	LUST	CUTTER FORD INC. 9-200188	98-015 KAMEHAMEHA HWY AIEA HI 96701	NON GC	

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

NCDB

**SEARCH ID:** 22                      **DIST/DIR:** 0.00 --                      **MAP ID:** 1

<b>NAME:</b> NAVY MONTESSORI SCHOOL	<b>REV:</b> 4/30/04
<b>ADDRESS:</b> BLDG 81 54 MAKALAPA DR	<b>ID1:</b> NCDB-0801-069273
HONOLULU HI 96818	<b>ID2:</b> 19910919HI906 1
HONOLULU	<b>STATUS:</b> TSCA
<b>CONTACT:</b>	<b>PHONE:</b>

**SITE INFORMATION**

<b>EPA REGION:</b> 09	<b>INSPECTION REG OR ST:</b> HI	
<b>INSPECTOR ID:</b> HI906	<b>INSPECTION DATE:</b> 9/19/91	
<b>INSPECTOR NAME:</b> T. LILEIKIS	<b>NUMBER OF SAMPLES:</b> 0	
<b>NUMBER OF AUDITS:</b> 0	<b>DUNN and BRAD NUMBER:</b>	
<b>FEDERAL FACILITY:</b> N	<b>LEGISLATION CODE:</b> T	
<b>NUMBER OF SCHOOLS:</b> 1	<b>SCHOOL TYPE:</b> N - PRIVATE NON-CATHOLIC	
<b>EPA PESTICIDE ID:</b>	<b>EPA FIFRA REG ID:</b>	

**FACILITY FUNCTION:** US - USER

**INVESTIGATION TYPE:** AES - AHERA, ENFORCEMENT, STATE CONDUCTED

**REASON:** NSS - NEUTRAL SCHEME, STATE

**REFERRAL TYPE :**

**PRINT INFO:** NAVY MONTESSORI SCHOOL  
BLDG 81 54 MAKALAPA DR MKL  
HONOLULU HI 96818-

**SIC INFORMATION:**

**SIC 1:**

**SIC 2:**

**SIC 3:**

**SIC 4:**

**SIC 5:**

**SIC 6:**

**SAMPLE INFORMATION**

**CASE REVIEW INFORMATION:**

<b>SAMPLE NUMBER:</b> 0	<b>ACTION WARRANTED:</b> N	
<b>DOCKET NUMBER:</b>	<b>CASE NUMBER:</b>	
<b>START DATE:</b> 9/19/91	<b>COMPLETION DATE:</b> 10/17/91	

**IMPORT INFORMATION**

- Continued on next page -

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

NCDB

<b>SEARCH ID:</b> 22	<b>DIST/DIR:</b> 0.00 --	<b>MAP ID:</b> 1
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**NAME:** NAVY MONTESSORI SCHOOL  
**ADDRESS:** BLDG 81 54 MAKALAPA DR  
HONOLULU HI 96818  
HONOLULU

**REV:** 4/30/04  
**ID1:** NCDB-0801-069273  
**ID2:** 19910919HI906 1  
**STATUS:** TSCA  
**PHONE:**

**CONTACT:**

**REFERRAL INFORMATION:**



# *Environmental FirstSearch*

## *Site Detail Report*

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

## WETLANDS

**SEARCH ID:** 7

**DIST/DIR:** 0.00 --

**MAP ID:** 2

**NAME:** NATIONAL WETLANDS INVENTORY

**ADDRESS:** HI

**REV:** 2/27/02

**ID1:** NWI-HI-1666

**ID2:**

STATUS: E1OWL

**PHONE:**

### **SITE INFORMATION**

**AREA:** 12849569.07

**PERIMETER:** 67262.89

WETC: 6

WETC\_ID: 22

<b>ATTRIBUTE:</b>	E1OWL
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## LANDUSE

**SEARCH ID:** 11

**DIST/DIR:** 0.00 --

MAP ID: 3

**NAME:** NAVY DOD PEARL HARBOR NAVAL STATION

**ADDRESS:** HI

REV: 1/27/05

**ID1:** 45978

**ID2:**

**STATUS:**

**PHONE:**

**FEDERAL LAND INFORMATION**

NAME: PEARL HARBOR NAVAL STATION

**FEATURE:** NAVY DOD

ADMINISTERING AGENCY:	DOD
-----------------------	-----

STATE FIPS: 15

**AREA:** 0.001

**PERIMETER:** 0.238

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

**WETLANDS**

**SEARCH ID:** 8                                      **DIST/DIR:** 0.05 SE                                      **MAP ID:** 4

**NAME:** NATIONAL WETLANDS INVENTORY  
**ADDRESS:** HI  
**CONTACT:**

**REV:** 2/27/02  
**ID1:** NWI-HI-1714  
**ID2:**  
**STATUS:** PSS3/EM1C  
**PHONE:**

**SITE INFORMATION**

**AREA:** 89241.41  
**PERIMETER:** 1286.94  
**WETC:** 54  
**WETC\_ID:** 32  
**ATTRIBUTE:** PSS3/EM1C

**TOWERS**

**SEARCH ID:** 24                                      **DIST/DIR:** 0.05 SE                                      **MAP ID:** 5

**NAME:** NEXTEL COMMUNICATIONS HAWAII  
**ADDRESS:** FOSTER VILLAGE HI  
**CONTACT:**

**REV:** 01/04/04  
**ID1:** 00-AWP-1898-OE  
**ID2:**  
**STATUS:** ASR-DE  
**PHONE:**

**ANTENNA STRUCTURE REGISTRATION - FAA DETERMINATION RECORDS**

The Antenna Structure Registration database contains antenna structures that generally are more than 60.96 meters(200 feet) in height or are located near an airport. This record does not appear in the ASR registration records but does appear in the FAA Determination Records for the ASR database. Records in the FAA Determination Database may not have been built.

**FAA DATE ISSUED:** 8/11/2000  
**FAA DATE KEYED:**  
**FAA DATE EXPIRATION:** 02/11/2002  
**DATE ACTION:** 8/22/2000  
**FAA FINAL DATE:**  
**GROUND ELEVATION:** 3  
**OVERALL HEIGHT OF STRUCTURE:** 48.8  
**OVERALL HEIGHT AMSL:** 51.8  
**FAA STUDY NUMBER:** 00-AWP-1898-OE  
**FAA CIRCULAR NUMBER:**

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

**TOWERS**

<b>SEARCH ID:</b> 23	<b>DIST/DIR:</b> 0.07 SE	<b>MAP ID:</b> 6
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<b>NAME:</b> CELLCO PARTNERSHIP	<b>REV:</b> 01/04/04
<b>ADDRESS:</b> FOSTER VILLAGE HI	<b>ID1:</b> 02-AWP-1316-OE
	<b>ID2:</b>
	<b>STATUS:</b> ASR-DE
<b>CONTACT:</b>	<b>PHONE:</b>

**ANTENNA STRUCTURE REGISTRATION - FAA DETERMINATION RECORDS**

The Antenna Structure Registration database contains antenna structures that generally are more than 60.96 meters(200 feet) in height or are located near an airport. This record does not appear in the ASR registration records but does appear in the FAA Determination Records for the ASR database. Records in the FAA Determination Database may not have been built.

<b>FAA DATE ISSUED:</b>	6/10/2002
<b>FAA DATE KEYED:</b>	
<b>FAA DATE EXPIRATION:</b>	12/10/2003
<b>DATE ACTION:</b>	6/18/2002
<b>FAA FINAL DATE:</b>	
<b>GROUND ELEVATION:</b>	6.1
<b>OVERALL HEIGHT OF STRUCTURE:</b>	40.8
<b>OVERALL HEIGHT AMSL:</b>	46.9
<b>FAA STUDY NUMBER:</b>	02-AWP-1316-OE
<b>FAA CIRCULAR NUMBER:</b>	

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

**FEDWELLS**

**SEARCH ID:** 19                      **DIST/DIR:** 0.09 NE                      **MAP ID:** 7

<b>NAME:</b> 3-2156-04 W176-1 HAL <b>ADDRESS:</b> HI HONOLULU COUNTY HI <b>CONTACT:</b>	<b>REV:</b> 5/19/03 <b>ID1:</b> FW-HI-1410 <b>ID2:</b> 212158157562101 <b>STATUS:</b> USGS GROUNDWATER INV <b>PHONE:</b>
--	--

**SITE INFORMATION**

<b>AGENCY:</b>	USGS
<b>SITE ID:</b>	212158157562101
<b>SITE NAME:</b>	3-2156-04 W176-1 HAL
<b>SITE TYPE :</b>	GROUND-WATER OTHER THAN SPRING
<b>COUNTY :</b>	HONOLULU COUNTY HI
<b>COUNTRY :</b>	US
<b>LAND NET LOCATION DESC:</b>	
<b>LOCATION MAP:</b>	10 PUULOA
<b>LOCATION MAP SCALE:</b>	24000
<b>GAGE/LAND SURFACE ALTITUDE:</b>	8.00
<b>METHOD ALTITUDE DETERMINED:</b>	M
<b>ALTITUDE ACCURACY:</b>	2
<b>ALTITUDE DATUM:</b>	NGVD29
<b>HYDROLOGIC UNIT :</b>	OAHU
<b>DRAINAGE BASIN :</b>	
<b>TOPOGRAPHIC SETTING :</b>	
<b>AGENCY USE OF SITE :</b>	INACTIVE OR DISCONTINUED DATA-COLLECTION SITE
<b>DATE OF FIRST CONSTRUCTION:</b>	19410610
<b>DATE SITE ESTABLISHED:</b>	
<b>DRAINAGE AREA:</b>	
<b>CONTRIBUTING DRAINAGE AREA:</b>	
<b>MEAN GREENWICH TIME OFFSET:</b>	HST
<b>LOCAL STANDARD TIME FLAG:</b>	N
<b>DATA RELIABILITY CODE :</b>	U
<b>OTHER GW FILES:</b>	YYNNNNNN
<b>TYPE OF GROUNDWATER SITE:</b>	W
<b>PRIMARY AQUIFER :</b>	
<b>AQUIFER TYPE :</b>	
<b>WELL_DEPTH VA:</b>	186
<b>HOLE DEPTH:</b>	
<b>DEPTH DATA SOURCE:</b>	
<b>PROJECT NUMBER:</b>	

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

**FEDWELLS**

**SEARCH ID:** 18                      **DIST/DIR:** 0.11 SE                      **MAP ID:** 8

<b>NAME:</b> 3-2156-03 W176 HALAW <b>ADDRESS:</b> HI HONOLULU COUNTY HI <b>CONTACT:</b>	<b>REV:</b> 5/19/03 <b>ID1:</b> FW-HI-1378 <b>ID2:</b> 212142157561201 <b>STATUS:</b> USGS GROUNDWATER INV <b>PHONE:</b>
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**SITE INFORMATION**

<b>AGENCY:</b>	USGS
<b>SITE ID:</b>	212142157561201
<b>SITE NAME:</b>	3-2156-03 W176 HALAW
<b>SITE TYPE :</b>	GROUND-WATER OTHER THAN SPRING
<b>COUNTY :</b>	HONOLULU COUNTY HI
<b>COUNTRY :</b>	US
<b>LAND NET LOCATION DESC:</b>	
<b>LOCATION MAP:</b>	10 PUULOA
<b>LOCATION MAP SCALE:</b>	24000
<b>GAGE/LAND SURFACE ALTITUDE:</b>	10.00
<b>METHOD ALTITUDE DETERMINED:</b>	M
<b>ALTITUDE ACCURACY:</b>	2
<b>ALTITUDE DATUM:</b>	NGVD29
<b>HYDROLOGIC UNIT :</b>	OAHU
<b>DRAINAGE BASIN :</b>	
<b>TOPOGRAPHIC SETTING :</b>	
<b>AGENCY USE OF SITE :</b>	INACTIVE OR DISCONTINUED DATA-COLLECTION SITE
<b>DATE OF FIRST CONSTRUCTION:</b>	
<b>DATE SITE ESTABLISHED:</b>	
<b>DRAINAGE AREA:</b>	
<b>CONTRIBUTING DRAINAGE AREA:</b>	
<b>MEAN GREENWICH TIME OFFSET:</b>	HST
<b>LOCAL STANDARD TIME FLAG:</b>	N
<b>DATA RELIABILITY CODE :</b>	U
<b>OTHER GW FILES:</b>	YYNNNNNN
<b>TYPE OF GROUNDWATER SITE:</b>	W
<b>PRIMARY AQUIFER :</b>	
<b>AQUIFER TYPE :</b>	
<b>WELL_DEPTH VA:</b>	623
<b>HOLE DEPTH:</b>	
<b>DEPTH DATA SOURCE:</b>	
<b>PROJECT NUMBER:</b>	

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

**TOWERS**

<b>SEARCH ID:</b> 25	<b>DIST/DIR:</b> 0.12 SW	<b>MAP ID:</b> 9
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<b>NAME:</b> <b>ADDRESS:</b> HONOLULU HI	<b>REV:</b> 01/04/04 <b>ID1:</b> 12-0295 <b>ID2:</b> <b>STATUS:</b> DOF <b>PHONE:</b>
<b>CONTACT:</b>	

**AA S DIGITAL OBSTACLE FILE**

The Digital Obstacle File describes all obstacles of interest to aviation users in the U.S. It contains obstruction data fo those man made objects which affect domestic aeronautical charting products.

<b>VERIFICATION STATUS:</b>	VERIFIED
<b>OBSTACLE TYPE:</b>	BLDG
<b>FREQUENCY:</b>	
<b>ABOVE GROUND LEVEL HEIGHT:</b>	0230
<b>ABOVE MEAN SEA LEVEL HEIGHT:</b>	00241
<b>STROBE INDICATOR:</b>	
<b>HORIZONTAL ACCURACY:</b>	+50
<b>VERTICAL ACCURACY:</b>	+20
<b>PAINTED OR MARKED?:</b>	N
<b>b1 FAA STUDY NUMBER:</b>	99OC0754

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

RCRAGN

<b>SEARCH ID:</b> 2	<b>DIST/DIR:</b> 0.13 SE	<b>MAP ID:</b> 10
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**NAME:** ACCESS BUSINESS GROUP L L C PACIFIC ISLA  
**ADDRESS:** 4444 MALAAI ST  
HONOLULU HI 96818  
HONOLULU  
**CONTACT:** (b) (6)

**REV:** 12/10/05  
**ID1:** HIR000034421  
**ID2:**  
**STATUS:** VGN  
**PHONE:** 8084229482

**SITE INFORMATION**

**UNIVERSE TYPE:**

CEG - CONDITIONALLY EXEMPT SMALL QUANTITY GENERATORS: GENERATES LESS THAN 100 KG/MONTH OF HAZARDOUS WASTE

**SIC INFORMATION:**

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**



***Environmental FirstSearch  
Site Detail Report***

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

FINDS			
<b>SEARCH ID:</b> 3	<b>DIST/DIR:</b> 0.14 SE	<b>MAP ID:</b> 11	
<b>NAME:</b> 3M CO <b>ADDRESS:</b> 4443 MALAAI ST HONOLULU HI 96820		<b>REV:</b> <b>ID1:</b> HID097691877 <b>ID2:</b> <b>STATUS:</b> <b>PHONE:</b>	
<b>CONTACT:</b>			
DETAILS NOT AVAILABLE			

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

UST

<b>SEARCH ID:</b> 4	<b>DIST/DIR:</b> 0.17 SE	<b>MAP ID:</b> 12
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<b>NAME:</b> TESORO GAS EXPRESS 19 <b>ADDRESS:</b> 4259 LAWEHANA ST HONOLULU HI 96818  <b>CONTACT:</b>	<b>REV:</b> 08/01/05 <b>ID1:</b> 9-101385 <b>ID2:</b> <b>STATUS:</b> CURRENTLY IN USE <b>PHONE:</b>
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<b>Tank ID Number:</b> <b>Tank Status Description:</b> <b>Tank Capacity:</b> <b>Substance Description:</b> <b>Construction Material:</b> <b>Date Installed:</b> <b>Date Closed</b>	87 Currently in Use 10000 Gasoline Fiberglass Reinforced Plastic 6/26/1986
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<b>Owner Name:</b> Honolulu HI 96818	TESORO HAWAII CORPORATION 733 BISHOP ST, SUITE 2700 , P.O. BOX 3379
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<b>Tank ID Number:</b> <b>Tank Status Description:</b> <b>Tank Capacity:</b> <b>Substance Description:</b> <b>Construction Material:</b> <b>Date Installed:</b> <b>Date Closed</b>	89 Currently in Use 10000 Gasoline Fiberglass Reinforced Plastic 6/26/1986
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<b>Owner Name:</b> Honolulu HI 96818	TESORO HAWAII CORPORATION 733 BISHOP ST, SUITE 2700 , P.O. BOX 3379
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<b>Tank ID Number:</b> <b>Tank Status Description:</b> <b>Tank Capacity:</b> <b>Substance Description:</b> <b>Construction Material:</b> <b>Date Installed:</b> <b>Date Closed</b>	92 Currently in Use 10000 Gasoline Fiberglass Reinforced Plastic 6/26/1986
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<b>Owner Name:</b> Honolulu HI 96818	TESORO HAWAII CORPORATION 733 BISHOP ST, SUITE 2700 , P.O. BOX 3379
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<b>Tank ID Number:</b> <b>Tank Status Description:</b> <b>Tank Capacity:</b> <b>Substance Description:</b> <b>Construction Material:</b> <b>Date Installed:</b> <b>Date Closed</b>	diesel 2 Currently in Use 10000 Diesel Fiberglass Reinforced Plastic 8/31/1991
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<b>Owner Name:</b> Honolulu HI 96818	TESORO HAWAII CORPORATION 733 BISHOP ST, SUITE 2700 , P.O. BOX 3379
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***Environmental FirstSearch  
Site Detail Report***

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

**FEDWELLS**

**SEARCH ID:** 17                      **DIST/DIR:** 0.34 SE                      **MAP ID:** 13

<b>NAME:</b> 3-2156-02 W172 HALAW	<b>REV:</b> 5/19/03
<b>ADDRESS:</b> HI	<b>ID1:</b> FW-HI-1351
HONOLULU COUNTY HI	<b>ID2:</b> 212130157560201
<b>CONTACT:</b>	<b>STATUS:</b> USGS GROUNDWATER INV
	<b>PHONE:</b>

**SITE INFORMATION**

<b>AGENCY:</b>	USGS
<b>SITE ID:</b>	212130157560201
<b>SITE NAME:</b>	3-2156-02 W172 HALAW
<b>SITE TYPE :</b>	GROUND-WATER OTHER THAN SPRING
<b>COUNTY :</b>	HONOLULU COUNTY HI
<b>COUNTRY :</b>	US
<b>LAND NET LOCATION DESC:</b>	
<b>LOCATION MAP:</b>	10 PUULOA
<b>LOCATION MAP SCALE:</b>	24000
<b>GAGE/LAND SURFACE ALTITUDE:</b>	33.00
<b>METHOD ALTITUDE DETERMINED:</b>	M
<b>ALTITUDE ACCURACY:</b>	5
<b>ALTITUDE DATUM:</b>	NGVD29
<b>HYDROLOGIC UNIT :</b>	OAHU
<b>DRAINAGE BASIN :</b>	
<b>TOPOGRAPHIC SETTING :</b>	
<b>AGENCY USE OF SITE :</b>	INACTIVE OR DISCONTINUED DATA-COLLECTION SITE
<b>DATE OF FIRST CONSTRUCTION:</b>	
<b>DATE SITE ESTABLISHED:</b>	
<b>DRAINAGE AREA:</b>	
<b>CONTRIBUTING DRAINAGE AREA:</b>	
<b>MEAN GREENWICH TIME OFFSET:</b>	HST
<b>LOCAL STANDARD TIME FLAG:</b>	N
<b>DATA RELIABILITY CODE :</b>	U
<b>OTHER GW FILES:</b>	YYNNNNNN
<b>TYPE OF GROUNDWATER SITE:</b>	W
<b>PRIMARY AQUIFER :</b>	
<b>AQUIFER TYPE :</b>	
<b>WELL_DEPTH VA:</b>	730
<b>HOLE DEPTH:</b>	
<b>DEPTH DATA SOURCE:</b>	
<b>PROJECT NUMBER:</b>	

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

**FEDWELLS**

**SEARCH ID:** 16                      **DIST/DIR:** 0.34 SE                      **MAP ID:** 14

<b>NAME:</b> 3-2156-01 W171 HALAW	<b>REV:</b> 5/19/03
<b>ADDRESS:</b> HI	<b>ID1:</b> FW-HI-1350
HONOLULU COUNTY HI	<b>ID2:</b> 212127157560501
<b>CONTACT:</b>	<b>STATUS:</b> USGS GROUNDWATER INV
	<b>PHONE:</b>

**SITE INFORMATION**

<b>AGENCY:</b>	USGS
<b>SITE ID:</b>	212127157560501
<b>SITE NAME:</b>	3-2156-01 W171 HALAW
<b>SITE TYPE :</b>	GROUND-WATER OTHER THAN SPRING
<b>COUNTY :</b>	HONOLULU COUNTY HI
<b>COUNTRY :</b>	US
<b>LAND NET LOCATION DESC:</b>	
<b>LOCATION MAP:</b>	10 PUULOA
<b>LOCATION MAP SCALE:</b>	24000
<b>GAGE/LAND SURFACE ALTITUDE:</b>	25.00
<b>METHOD ALTITUDE DETERMINED:</b>	M
<b>ALTITUDE ACCURACY:</b>	5
<b>ALTITUDE DATUM:</b>	NGVD29
<b>HYDROLOGIC UNIT :</b>	OAHU
<b>DRAINAGE BASIN :</b>	
<b>TOPOGRAPHIC SETTING :</b>	
<b>AGENCY USE OF SITE :</b>	INACTIVE OR DISCONTINUED DATA-COLLECTION SITE
<b>DATE OF FIRST CONSTRUCTION:</b>	
<b>DATE SITE ESTABLISHED:</b>	
<b>DRAINAGE AREA:</b>	
<b>CONTRIBUTING DRAINAGE AREA:</b>	
<b>MEAN GREENWICH TIME OFFSET:</b>	HST
<b>LOCAL STANDARD TIME FLAG:</b>	N
<b>DATA RELIABILITY CODE :</b>	U
<b>OTHER GW FILES:</b>	YYNNNNNN
<b>TYPE OF GROUNDWATER SITE:</b>	W
<b>PRIMARY AQUIFER :</b>	
<b>AQUIFER TYPE :</b>	
<b>WELL_DEPTH VA:</b>	608
<b>HOLE DEPTH:</b>	
<b>DEPTH DATA SOURCE:</b>	
<b>PROJECT NUMBER:</b>	

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

**FEDWELLS**

**SEARCH ID:** 12                      **DIST/DIR:** 0.38 SE                      **MAP ID:** 15

<b>NAME:</b> 3-2155-01 W173 HALAW	<b>REV:</b> 5/19/03
<b>ADDRESS:</b> HI	<b>ID1:</b> FW-HI-1367
HONOLULU COUNTY HI	<b>ID2:</b> 212134157555801
<b>CONTACT:</b>	<b>STATUS:</b> USGS GROUNDWATER INV
	<b>PHONE:</b>

**SITE INFORMATION**

<b>AGENCY:</b>	USGS
<b>SITE ID:</b>	212134157555801
<b>SITE NAME:</b>	3-2155-01 W173 HALAW
<b>SITE TYPE :</b>	GROUND-WATER OTHER THAN SPRING
<b>COUNTY :</b>	HONOLULU COUNTY HI
<b>COUNTRY :</b>	US
<b>LAND NET LOCATION DESC:</b>	
<b>LOCATION MAP:</b>	10 PUULOA
<b>LOCATION MAP SCALE:</b>	24000
<b>GAGE/LAND SURFACE ALTITUDE:</b>	21.00
<b>METHOD ALTITUDE DETERMINED:</b>	M
<b>ALTITUDE ACCURACY:</b>	5
<b>ALTITUDE DATUM:</b>	NGVD29
<b>HYDROLOGIC UNIT :</b>	OAHU
<b>DRAINAGE BASIN :</b>	
<b>TOPOGRAPHIC SETTING :</b>	
<b>AGENCY USE OF SITE :</b>	INACTIVE OR DISCONTINUED DATA-COLLECTION SITE
<b>DATE OF FIRST CONSTRUCTION:</b>	
<b>DATE SITE ESTABLISHED:</b>	
<b>DRAINAGE AREA:</b>	
<b>CONTRIBUTING DRAINAGE AREA:</b>	
<b>MEAN GREENWICH TIME OFFSET:</b>	HST
<b>LOCAL STANDARD TIME FLAG:</b>	N
<b>DATA RELIABILITY CODE :</b>	U
<b>OTHER GW FILES:</b>	YYNNNNNN
<b>TYPE OF GROUNDWATER SITE:</b>	W
<b>PRIMARY AQUIFER :</b>	
<b>AQUIFER TYPE :</b>	
<b>WELL_DEPTH VA:</b>	740
<b>HOLE DEPTH:</b>	
<b>DEPTH DATA SOURCE:</b>	
<b>PROJECT NUMBER:</b>	

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

**LANDUSE**

**SEARCH ID:** 10                      **DIST/DIR:** 0.38 NW                      **MAP ID:** 16

<b>NAME:</b> NAVY DOD FORD ISLAND NAVAL STATION ANNEX	<b>REV:</b> 1/27/05
<b>ADDRESS:</b> HI	<b>ID1:</b> 45980
	<b>ID2:</b>
<b>CONTACT:</b>	<b>STATUS:</b>
	<b>PHONE:</b>

**FEDERAL LAND INFORMATION**

<b>NAME:</b>	FORD ISLAND NAVAL STATION ANNEX
<b>FEATURE:</b>	NAVY DOD
<b>ADMINISTERING AGENCY:</b>	DOD
<b>STATE FIPS:</b>	15
<b>AREA:</b>	0
<b>PERIMETER:</b>	0.044

**WETLANDS**

**SEARCH ID:** 9                      **DIST/DIR:** 0.41 N-                      **MAP ID:** 17

<b>NAME:</b> NATIONAL WETLANDS INVENTORY	<b>REV:</b> 2/27/02
<b>ADDRESS:</b> HI	<b>ID1:</b> NWI-HI-2142
	<b>ID2:</b>
<b>CONTACT:</b>	<b>STATUS:</b> E1OWL
	<b>PHONE:</b>

**SITE INFORMATION**

<b>AREA:</b>	4034280.04
<b>PERIMETER:</b>	13020.79
<b>WETC:</b>	45
<b>WETC_ID:</b>	50
<b>ATTRIBUTE:</b>	E1OWL

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

**FEDWELLS**

**SEARCH ID:** 13                      **DIST/DIR:** 0.42 SE                      **MAP ID:** 18

<b>NAME:</b> 3-2155-02 W174 HALAW	<b>REV:</b> 5/19/03
<b>ADDRESS:</b> HI	<b>ID1:</b> FW-HI-1371
HONOLULU COUNTY HI	<b>ID2:</b> 212138157555501
<b>CONTACT:</b>	<b>STATUS:</b> USGS GROUNDWATER INV
	<b>PHONE:</b>

**SITE INFORMATION**

<b>AGENCY:</b>	USGS
<b>SITE ID:</b>	212138157555501
<b>SITE NAME:</b>	3-2155-02 W174 HALAW
<b>SITE TYPE :</b>	GROUND-WATER OTHER THAN SPRING
<b>COUNTY :</b>	HONOLULU COUNTY HI
<b>COUNTRY :</b>	US
<b>LAND NET LOCATION DESC:</b>	
<b>LOCATION MAP:</b>	10 PUULOA
<b>LOCATION MAP SCALE:</b>	24000
<b>GAGE/LAND SURFACE ALTITUDE:</b>	22.00
<b>METHOD ALTITUDE DETERMINED:</b>	M
<b>ALTITUDE ACCURACY:</b>	5
<b>ALTITUDE DATUM:</b>	NGVD29
<b>HYDROLOGIC UNIT :</b>	OAHU
<b>DRAINAGE BASIN :</b>	
<b>TOPOGRAPHIC SETTING :</b>	
<b>AGENCY USE OF SITE :</b>	INACTIVE OR DISCONTINUED DATA-COLLECTION SITE
<b>DATE OF FIRST CONSTRUCTION:</b>	
<b>DATE SITE ESTABLISHED:</b>	
<b>DRAINAGE AREA:</b>	
<b>CONTRIBUTING DRAINAGE AREA:</b>	
<b>MEAN GREENWICH TIME OFFSET:</b>	HST
<b>LOCAL STANDARD TIME FLAG:</b>	N
<b>DATA RELIABILITY CODE :</b>	U
<b>OTHER GW FILES:</b>	YYNNNNNN
<b>TYPE OF GROUNDWATER SITE:</b>	W
<b>PRIMARY AQUIFER :</b>	
<b>AQUIFER TYPE :</b>	
<b>WELL_DEPTH VA:</b>	800
<b>HOLE DEPTH:</b>	
<b>DEPTH DATA SOURCE:</b>	
<b>PROJECT NUMBER:</b>	



**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

LUST		
<b>SEARCH ID:</b> 5	<b>DIST/DIR:</b> 0.42 NE	<b>MAP ID:</b> 20
<b>NAME:</b> CHEVRON SS 208878 DBA SALT LAKE CHEVRON\ <b>ADDRESS:</b> 4561 SALT LAKE BLVD HONOLULU HI 96818	<b>REV:</b> 02/11/05 <b>ID1:</b> 9-100849 <b>ID2:</b> <b>STATUS:</b> <b>PHONE:</b>	
<b>CONTACT:</b>		
<b>Event ID Number:</b>	980041	
<b>Facility ID Number:</b>	9-100849	
<b>Status Date:</b>	9/9/1997	
<b>Status:</b>	Site Cleanup Completed	
<b>Project Officer</b>	Assigned	

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

**FEDWELLS**

**SEARCH ID:** 14                      **DIST/DIR:** 0.42 SE                      **MAP ID:** 21

<b>NAME:</b> 3-2155-03 W175 HALAW	<b>REV:</b> 5/19/03
<b>ADDRESS:</b> HI	<b>ID1:</b> FW-HI-1377
HONOLULU COUNTY HI	<b>ID2:</b> 212142157555401
<b>CONTACT:</b>	<b>STATUS:</b> USGS GROUNDWATER INV
	<b>PHONE:</b>

**SITE INFORMATION**

<b>AGENCY:</b>	USGS
<b>SITE ID:</b>	212142157555401
<b>SITE NAME:</b>	3-2155-03 W175 HALAW
<b>SITE TYPE :</b>	GROUND-WATER OTHER THAN SPRING
<b>COUNTY :</b>	HONOLULU COUNTY HI
<b>COUNTRY :</b>	US
<b>LAND NET LOCATION DESC:</b>	
<b>LOCATION MAP:</b>	10 PUULOA
<b>LOCATION MAP SCALE:</b>	24000
<b>GAGE/LAND SURFACE ALTITUDE:</b>	23.00
<b>METHOD ALTITUDE DETERMINED:</b>	M
<b>ALTITUDE ACCURACY:</b>	5
<b>ALTITUDE DATUM:</b>	NGVD29
<b>HYDROLOGIC UNIT :</b>	OAHU
<b>DRAINAGE BASIN :</b>	
<b>TOPOGRAPHIC SETTING :</b>	
<b>AGENCY USE OF SITE :</b>	INACTIVE OR DISCONTINUED DATA-COLLECTION SITE
<b>DATE OF FIRST CONSTRUCTION:</b>	
<b>DATE SITE ESTABLISHED:</b>	
<b>DRAINAGE AREA:</b>	
<b>CONTRIBUTING DRAINAGE AREA:</b>	
<b>MEAN GREENWICH TIME OFFSET:</b>	HST
<b>LOCAL STANDARD TIME FLAG:</b>	N
<b>DATA RELIABILITY CODE :</b>	U
<b>OTHER GW FILES:</b>	YYNNNNNN
<b>TYPE OF GROUNDWATER SITE:</b>	W
<b>PRIMARY AQUIFER :</b>	
<b>AQUIFER TYPE :</b>	
<b>WELL_DEPTH VA:</b>	930
<b>HOLE DEPTH:</b>	
<b>DEPTH DATA SOURCE:</b>	
<b>PROJECT NUMBER:</b>	

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

**FEDWELLS**

**SEARCH ID:** 15                      **DIST/DIR:** 0.47 SE                      **MAP ID:** 22

<b>NAME:</b> 3-2155-05 W172-1 HAL	<b>REV:</b> 5/19/03
<b>ADDRESS:</b> HI	<b>ID1:</b> FW-HI-1366
HONOLULU COUNTY HI	<b>ID2:</b> 212134157555301
<b>CONTACT:</b>	<b>STATUS:</b> USGS GROUNDWATER INV
	<b>PHONE:</b>

**SITE INFORMATION**

<b>AGENCY:</b>	USGS
<b>SITE ID:</b>	212134157555301
<b>SITE NAME:</b>	3-2155-05 W172-1 HAL
<b>SITE TYPE :</b>	GROUND-WATER OTHER THAN SPRING
<b>COUNTY :</b>	HONOLULU COUNTY HI
<b>COUNTRY :</b>	US
<b>LAND NET LOCATION DESC:</b>	
<b>LOCATION MAP:</b>	10 PUULOA
<b>LOCATION MAP SCALE:</b>	24000
<b>GAGE/LAND SURFACE ALTITUDE:</b>	62.00
<b>METHOD ALTITUDE DETERMINED:</b>	M
<b>ALTITUDE ACCURACY:</b>	5
<b>ALTITUDE DATUM:</b>	NGVD29
<b>HYDROLOGIC UNIT :</b>	OAHU
<b>DRAINAGE BASIN :</b>	
<b>TOPOGRAPHIC SETTING :</b>	
<b>AGENCY USE OF SITE :</b>	INACTIVE OR DISCONTINUED DATA-COLLECTION SITE
<b>DATE OF FIRST CONSTRUCTION:</b>	19480101
<b>DATE SITE ESTABLISHED:</b>	
<b>DRAINAGE AREA:</b>	
<b>CONTRIBUTING DRAINAGE AREA:</b>	
<b>MEAN GREENWICH TIME OFFSET:</b>	HST
<b>LOCAL STANDARD TIME FLAG:</b>	N
<b>DATA RELIABILITY CODE :</b>	U
<b>OTHER GW FILES:</b>	YYNNNNNN
<b>TYPE OF GROUNDWATER SITE:</b>	W
<b>PRIMARY AQUIFER :</b>	
<b>AQUIFER TYPE :</b>	
<b>WELL_DEPTH VA:</b>	682
<b>HOLE DEPTH:</b>	
<b>DEPTH DATA SOURCE:</b>	
<b>PROJECT NUMBER:</b>	

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

**FEDWELLS**

**SEARCH ID:** 21                      **DIST/DIR:** 0.49 NE                      **MAP ID:** 23

<b>NAME:</b> 3-2256-02 W183 <b>ADDRESS:</b> HI HONOLULU COUNTY HI <b>CONTACT:</b>	<b>REV:</b> 5/19/03 <b>ID1:</b> FW-HI-1472 <b>ID2:</b> 212223157560201 <b>STATUS:</b> USGS GROUNDWATER INV <b>PHONE:</b>
--	--

**SITE INFORMATION**

<b>AGENCY:</b>	USGS
<b>SITE ID:</b>	212223157560201
<b>SITE NAME:</b>	3-2256-02 W183
<b>SITE TYPE :</b>	GROUND-WATER OTHER THAN SPRING
<b>COUNTY :</b>	HONOLULU COUNTY HI
<b>COUNTRY :</b>	US
<b>LAND NET LOCATION DESC:</b>	
<b>LOCATION MAP:</b>	10 PUULOA
<b>LOCATION MAP SCALE:</b>	24000
<b>GAGE/LAND SURFACE ALTITUDE:</b>	19.00
<b>METHOD ALTITUDE DETERMINED:</b>	M
<b>ALTITUDE ACCURACY:</b>	5
<b>ALTITUDE DATUM:</b>	NGVD29
<b>HYDROLOGIC UNIT :</b>	OAHU
<b>DRAINAGE BASIN :</b>	
<b>TOPOGRAPHIC SETTING :</b>	
<b>AGENCY USE OF SITE :</b>	INACTIVE OR DISCONTINUED DATA-COLLECTION SITE
<b>DATE OF FIRST CONSTRUCTION:</b>	
<b>DATE SITE ESTABLISHED:</b>	
<b>DRAINAGE AREA:</b>	
<b>CONTRIBUTING DRAINAGE AREA:</b>	
<b>MEAN GREENWICH TIME OFFSET:</b>	HST
<b>LOCAL STANDARD TIME FLAG:</b>	N
<b>DATA RELIABILITY CODE :</b>	U
<b>OTHER GW FILES:</b>	YYNNNNNN
<b>TYPE OF GROUNDWATER SITE:</b>	W
<b>PRIMARY AQUIFER :</b>	
<b>AQUIFER TYPE :</b>	
<b>WELL_DEPTH VA:</b>	
<b>HOLE DEPTH:</b>	
<b>DEPTH DATA SOURCE:</b>	
<b>PROJECT NUMBER:</b>	

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

**FEDWELLS**

**SEARCH ID:** 20                      **DIST/DIR:** 0.49 NE                      **MAP ID:** 24

<b>NAME:</b> 3-2256-01 W182	<b>REV:</b> 5/19/03
<b>ADDRESS:</b> HI	<b>ID1:</b> FW-HI-1439
HONOLULU COUNTY HI	<b>ID2:</b> 212219157560001
<b>CONTACT:</b>	<b>STATUS:</b> USGS GROUNDWATER INV
	<b>PHONE:</b>

**SITE INFORMATION**

<b>AGENCY:</b>	USGS
<b>SITE ID:</b>	212219157560001
<b>SITE NAME:</b>	3-2256-01 W182
<b>SITE TYPE :</b>	GROUND-WATER OTHER THAN SPRING
<b>COUNTY :</b>	HONOLULU COUNTY HI
<b>COUNTRY :</b>	US
<b>LAND NET LOCATION DESC:</b>	
<b>LOCATION MAP:</b>	10 PUULOA
<b>LOCATION MAP SCALE:</b>	24000
<b>GAGE/LAND SURFACE ALTITUDE:</b>	17.00
<b>METHOD ALTITUDE DETERMINED:</b>	M
<b>ALTITUDE ACCURACY:</b>	2
<b>ALTITUDE DATUM:</b>	NGVD29
<b>HYDROLOGIC UNIT :</b>	OAHU
<b>DRAINAGE BASIN :</b>	
<b>TOPOGRAPHIC SETTING :</b>	
<b>AGENCY USE OF SITE :</b>	INACTIVE OR DISCONTINUED DATA-COLLECTION SITE
<b>DATE OF FIRST CONSTRUCTION:</b>	
<b>DATE SITE ESTABLISHED:</b>	
<b>DRAINAGE AREA:</b>	
<b>CONTRIBUTING DRAINAGE AREA:</b>	
<b>MEAN GREENWICH TIME OFFSET:</b>	HST
<b>LOCAL STANDARD TIME FLAG:</b>	N
<b>DATA RELIABILITY CODE :</b>	U
<b>OTHER GW FILES:</b>	YYNNNNNN
<b>TYPE OF GROUNDWATER SITE:</b>	W
<b>PRIMARY AQUIFER :</b>	
<b>AQUIFER TYPE :</b>	
<b>WELL_DEPTH VA:</b>	272
<b>HOLE DEPTH:</b>	
<b>DEPTH DATA SOURCE:</b>	
<b>PROJECT NUMBER:</b>	

***Environmental FirstSearch***  
***Site Detail Report***

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

RCRACOR

**SEARCH ID:** 1                      **DIST/DIR:** 0.98 SW                      **MAP ID:** 25

**NAME:** PEARL HARBOR SHIPYARD AND MAINT FAC  
**ADDRESS:** PEARL HARBOR NAVAL BASE  
PEARL HARBOR HI 96860

**REV:** 12/10/05  
**ID1:** HI6170024339  
**ID2:**  
**STATUS:** CA  
**PHONE:** 808-473-8000 4459

**CONTACT:** (b) (6)

**SITE INFORMATION**

**CONTACT INFORMATION:** (b) (6)  
O S H AND ENV D  
667 SAFEGUARD ST  
PEARL HARBOR HI 968605033

**PHONE:** 8084740230

**UNIVERSE NAME:**

TSDS SUBJECT TO CORRECTIVE ACT  
SUBJECT TO CORRECTIVE ACTION  
SUBJECT TO CEI  
ST: STORAGE AND TREATMENT  
DF: LAND DISPOSAL FACILITY  
INCINERATOR

**SIC INFORMATION:**

9711 - PUBLIC ADMIN. - NATIONAL SECURITY  
3731 - MANUFACTURING - SHIP BUILDING AND REPAIRING  
3731 - MANUFACTURING - SHIP BUILDING AND REPAIRING  
3731 - MANUFACTURING - SHIP BUILDING AND REPAIRING  
9711 - PUBLIC ADMIN. - NATIONAL SECURITY  
9711 - PUBLIC ADMIN. - NATIONAL SECURITY

**ENFORCEMENT INFORMATION:**

<b>AGENCY:</b>	E - EPA	<b>DATE:</b>	16-MAY-88
<b>TYPE:</b>	120 - WRITTEN INFORMAL		
<b>AGENCY:</b>	E - EPA	<b>DATE:</b>	16-DEC-85
<b>TYPE:</b>	120 - WRITTEN INFORMAL		
<b>AGENCY:</b>	S - STATE	<b>DATE:</b>	23-APR-96
<b>TYPE:</b>	310 - FINAL 3008(A) COMPLIANCE ORDER		
<b>AGENCY:</b>	E - EPA	<b>DATE:</b>	06-OCT-95
<b>TYPE:</b>	610 - FINAL CONSENT DECREES		
<b>AGENCY:</b>	S - STATE	<b>DATE:</b>	28-MAY-93
<b>TYPE:</b>	120 - WRITTEN INFORMAL		
<b>AGENCY:</b>	S - STATE	<b>DATE:</b>	18-SEP-90
<b>TYPE:</b>	120 - WRITTEN INFORMAL		
<b>AGENCY:</b>	S - STATE	<b>DATE:</b>	30-JUL-90
<b>TYPE:</b>	120 - WRITTEN INFORMAL		

- Continued on next page -

# Environmental FirstSearch

## Site Detail Report

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

### RCRACOR

**SEARCH ID:** 1                      **DIST/DIR:** 0.98 SW                      **MAP ID:** 25

<b>NAME:</b> PEARL HARBOR SHIPYARD AND MAINT FAC <b>ADDRESS:</b> PEARL HARBOR NAVAL BASE PEARL HARBOR HI 96860  <b>CONTACT:</b> (b) (6)	<b>REV:</b> 12/10/05 <b>ID1:</b> HI6170024339 <b>ID2:</b> <b>STATUS:</b> CA <b>PHONE:</b> 808-473-8000 4459
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<b>AGENCY:</b>	E - EPA	<b>DATE:</b>	15-JUN-89
<b>TYPE:</b>	120 - WRITTEN INFORMAL		
<b>AGENCY:</b>	E - EPA	<b>DATE:</b>	16-MAY-88
<b>TYPE:</b>	230 - INITIAL MONITORING, ANALYSIS, TEST ORDER		
<b>AGENCY:</b>	E - EPA	<b>DATE:</b>	14-DEC-89
<b>TYPE:</b>	120 - WRITTEN INFORMAL		

**VIOLATION INFORMATION:**

<b>VIOLATION NUMBER:</b>	0001	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	27-MAR-86	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>	270	<b>RESOLVED:</b>	09-JUN-86
<b>TYPE:</b>	DOT - TSD OTHER REQUIREMENTS (OVERSIGHT LEVEL)		

<b>VIOLATION NUMBER:</b>	0001	<b>RESPONSIBLE:</b>	E - EPA
<b>DETERMINED:</b>	19-FEB-85	<b>DETERMINED BY:</b>	E - EPA
<b>CITATION:</b>	270	<b>RESOLVED:</b>	19-JAN-86
<b>TYPE:</b>	DOT - TSD OTHER REQUIREMENTS (OVERSIGHT LEVEL)		

<b>VIOLATION NUMBER:</b>	0002	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	21-AUG-86	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>	270	<b>RESOLVED:</b>	10-SEP-87
<b>TYPE:</b>	DOT - TSD OTHER REQUIREMENTS (OVERSIGHT LEVEL)		

<b>VIOLATION NUMBER:</b>	0002	<b>RESPONSIBLE:</b>	E - EPA
<b>DETERMINED:</b>	09-JUN-86	<b>DETERMINED BY:</b>	E - EPA
<b>CITATION:</b>	270	<b>RESOLVED:</b>	21-AUG-86
<b>TYPE:</b>	DOT - TSD OTHER REQUIREMENTS (OVERSIGHT LEVEL)		

<b>VIOLATION NUMBER:</b>	0003	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	03-MAY-90	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>	270	<b>RESOLVED:</b>	30-SEP-91
<b>TYPE:</b>	DOT - TSD OTHER REQUIREMENTS (OVERSIGHT LEVEL)		

<b>VIOLATION NUMBER:</b>	0004	<b>RESPONSIBLE:</b>	E - EPA
<b>DETERMINED:</b>	20-JUN-88	<b>DETERMINED BY:</b>	E - EPA
<b>CITATION:</b>	270	<b>RESOLVED:</b>	10-APR-89
<b>TYPE:</b>	DOT - TSD OTHER REQUIREMENTS (OVERSIGHT LEVEL)		

<b>VIOLATION NUMBER:</b>	0004	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	28-MAY-93	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>	264.50-56.D	<b>RESOLVED:</b>	30-JUN-93
<b>TYPE:</b>	DOT - TSD OTHER REQUIREMENTS (OVERSIGHT LEVEL)		

<b>VIOLATION NUMBER:</b>	0005	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	28-MAY-93	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>	264.170-177.I	<b>RESOLVED:</b>	30-JUN-93
<b>TYPE:</b>	DOT - TSD OTHER REQUIREMENTS (OVERSIGHT LEVEL)		

- Continued on next page -



***Environmental FirstSearch  
Site Detail Report***

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

**RCRACOR**

**SEARCH ID:** 1                      **DIST/DIR:** 0.98 SW                      **MAP ID:** 25

**NAME:** PEARL HARBOR SHIPYARD AND MAINT FAC  
**ADDRESS:** PEARL HARBOR NAVAL BASE  
PEARL HARBOR HI 96860

**REV:** 12/10/05  
**ID1:** HI6170024339  
**ID2:**  
**STATUS:** CA  
**PHONE:** 808-473-8000 4459

**CONTACT:** (b) (6)

**VIOLATION NUMBER:** 0005                      **RESPONSIBLE:** E - EPA  
**DETERMINED:** 10-APR-89                      **DETERMINED BY:** E - EPA  
**CITATION:** 270                      **RESOLVED:** 19-JAN-90  
**TYPE:** DOT - TSD OTHER REQUIREMENTS (OVERSIGHT LEVEL)

**VIOLATION NUMBER:** 0006                      **RESPONSIBLE:** E - EPA  
**DETERMINED:** 06-OCT-95                      **DETERMINED BY:** E - EPA  
**CITATION:** 268.7                      **RESOLVED:** 06-OCT-00  
**TYPE:** GLB - GENERATOR LAND BAN REQUIREMENTS

**VIOLATION NUMBER:** 0006                      **RESPONSIBLE:** S - STATE  
**DETERMINED:** 28-MAY-93                      **DETERMINED BY:** S - STATE  
**CITATION:** 264.10-18.B                      **RESOLVED:** 30-JUN-93  
**TYPE:** DOT - TSD OTHER REQUIREMENTS (OVERSIGHT LEVEL)

**VIOLATION NUMBER:** 0007                      **RESPONSIBLE:** S - STATE  
**DETERMINED:** 25-JUL-95                      **DETERMINED BY:** S - STATE  
**CITATION:** 270                      **RESOLVED:** 25-JUL-95  
**TYPE:** DOT - TSD OTHER REQUIREMENTS (OVERSIGHT LEVEL)

**VIOLATION NUMBER:** 0008                      **RESPONSIBLE:** S - STATE  
**DETERMINED:** 25-JUL-95                      **DETERMINED BY:** S - STATE  
**CITATION:** 262.20-23.B                      **RESOLVED:** 25-JUL-95  
**TYPE:** GER - GENERATOR ALL REQUIREMENTS

**VIOLATION NUMBER:** 0009                      **RESPONSIBLE:** S - STATE  
**DETERMINED:** 25-JUL-95                      **DETERMINED BY:** S - STATE  
**CITATION:** 262.30-34.C                      **RESOLVED:** 25-JUL-95  
**TYPE:** GER - GENERATOR ALL REQUIREMENTS

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

FINDS		
<b>SEARCH ID:</b> 41	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>
<b>NAME:</b> USNAVY PUBLIC WORKS CENTER MAKALAPA <b>ADDRESS:</b> MAKALAPA PEARL HARBOR HI 96860	<b>REV:</b> <b>ID1:</b> HI0170090005 <b>ID2:</b> <b>STATUS:</b> <b>PHONE:</b>	
<b>CONTACT:</b>		
DETAILS NOT AVAILABLE		

# Environmental FirstSearch

## Site Detail Report

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

UST

**SEARCH ID:** 42

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** FLEET INTELLIGENCE CENTER PACIFIC  
**ADDRESS:** BLDG 352, MAKALAPA CRATER  
PEARL HARBOR HI 96860

**REV:** 08/01/05  
**ID1:** 9-100991  
**ID2:**  
**STATUS:** CURRENTLY IN USE  
**PHONE:**

**CONTACT:**

**Tank ID Number:** JPAC-1  
**Tank Status Description:** Currently In Use  
**Tank Capacity:** 6000  
**Substance Description:** Diesel  
**Construction Material:** Fiberglass Reinforced Plastic  
**Date Installed:** 4/1/1998  
**Date Closed:**

**Owner Name:** US NAVY - COMNAVREG - HI 517 RUSSELL AVE, SUITE 110 Pearl Harbor HI  
96860

**Tank ID Number:** JPAC-2  
**Tank Status Description:** Currently In Use  
**Tank Capacity:** 6000  
**Substance Description:** Diesel  
**Construction Material:** Fiberglass Reinforced Plastic  
**Date Installed:** 4/1/1998  
**Date Closed:**

**Owner Name:** US NAVY - COMNAVREG - HI 517 RUSSELL AVE, SUITE 110 Pearl Harbor HI  
96860

**Tank ID Number:** R-M-41  
**Tank Status Description:** Permanently Out of Use  
**Tank Capacity:** 5000  
**Substance Description:** Diesel  
**Construction Material:** Asphalt Coated or Bare Steel  
**Date Installed:** 4/4/1977  
**Date Closed:** 3/4/1998

**Owner Name:** US NAVY - COMNAVREG - HI 517 RUSSELL AVE, SUITE 110 Pearl Harbor HI  
96860

**Tank ID Number:** R-M-42  
**Tank Status Description:** Permanently Out of Use  
**Tank Capacity:** 6000  
**Substance Description:** Diesel  
**Construction Material:** Fiberglass Reinforced Plastic  
**Date Installed:** 4/4/1984  
**Date Closed:** 3/4/1998

**Owner Name:** US NAVY - COMNAVREG - HI 517 RUSSELL AVE, SUITE 110 Pearl Harbor HI  
96860

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

LUST

**SEARCH ID:** 48

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** FLEET INTELLIGENCE CENTER PACIFIC

**REV:** 02/11/05

**ADDRESS:** BLDG 352, MAKALAPA CRATER, TANK 41 and 42, JPAC-1, JPAC-2  
PEARL HARBOR HI 96860

**ID1:** 9-100991

**ID2:**

**STATUS:**

**CONTACT:**

**PHONE:**

**Event ID Number:**

900095

**Facility ID Number:**

9-100991

**Status Date:**

7/27/1990

**Status:**

Disconfirmed Release

**Project Officer**

Assigned

**Event ID Number:**

960014

**Facility ID Number:**

9-100991

**Status Date:**

6/1/1998

**Status:**

Disconfirmed Release

**Project Officer**

(b)

**Environmental FirstSearch**  
**Site Detail Report**

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

**HMIRS**

<b>SEARCH ID:</b> 54	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>
<hr/>		
<b>NAME:</b> BHP PETROLEUM REFINING INC	<b>REV:</b> 3/15/05	
<b>ADDRESS:</b> 64 1551 KAMEHAMEHA HWY HONOLULU HI	<b>ID1:</b> 1996050639	
	<b>ID2:</b>	
<b>CONTACT:</b>	<b>STATUS:</b> HIGHWAY (FOR HIRE)	
	<b>PHONE:</b>	

**SITE INFORMATION**

**TOTAL NUMBER OF HAZARDOUS MATERIALS:** 1

**MULTIPLE CODE:** A  
**MODE OF TRANSPORT:** 4 - H-H: HIGHWAY (FOR HIRE)  
**OTHER MODE:**

<b>INCIDENT DATE:</b> 5/1/1996	<b>INCIDENT TIME:</b> 9:00	
<b>CARRIER RPT NUMBER:</b>	<b>ORIG SAME AS SHIP:</b> YES	
<b>DEST SAME AS CONS:</b> YES		

<b>INCIDENT:</b> 64 1551 KAMEHAMEHA HWY HONOLULU HI HONOLULU	<b>CARRIER:</b> <b>ID:</b> 77994 BHP PETROLEUM REFINING INC 739 A N NIMITZ HONOLULU HI 96817	
<b>SHIPPER:</b> <b>ID:</b> 77994 BHP PETROLEUM REFINING INC 739 A N NIMITZ HONOLULU HI 96817	<b>CONSIGNEE:</b> <b>ID:</b> 34893 DOLE FRESH FRUIT CO 64 1551 KAMEHAMEHA HWY WAHIAWA HI 96786	
<b>ORIGIN:</b> 739 A N NIMITZ HONOLULU HI 96817	<b>DESTINATION:</b> 64 1551 KAMEHAMEHA HWY WAHIAWA HI 96786	

**COMMODITY INFORMATION**

<b>MULTIPLE CODE:</b> A	<b>SHIPPING PAPER:</b>	
<b>HAZ SUBSTANCE:</b> NO	<b>UN NUMBER:</b> NA1993	
<b>RQ MET:</b> NO	<b>QUAN REL CODE:</b> 0	
<b>QUANTITY RELEASED:</b> 5 GAL	<b>COMMODITY CODE:</b> 05203	

**COMMODITY SHIP NAME:** FUEL OIL NO. 1,2,4,5,6  
**COMMODITY TRADE NAME:**  
**COMMODITY CLASS:** 20 - COMB L: COMBUSTIBLE LIQUID

**OTHER MATERIAL INFORMATION**

<b>DEATHS:</b> 0	<b>MAJOR INJURIES:</b> 0	
<b>MINOR INJURIES:</b> 0	<b>NUMBER EVACUATED:</b> 0	
<b>PRODUCT LOSS:</b> 6	<b>PROD LOSS CODE:</b> 0	
<b>CARRIER DAMAGE:</b> 0	<b>CARRIER DAM CODE:</b> 1	
<b>PUB PRI DAMAGE:</b> 0	<b>PUB PRI DAM CODE:</b> 1	
<b>DECON DAMAGE:</b> 150	<b>DECON DAM CODE:</b> 0	
<b>OTHER DAMAGE:</b> 0	<b>OTHER DAM CODE:</b> 0	
<b>REPORT DAMAGE:</b> 156	<b>REPORT DAM CODE:</b> 0	
<b>INCIDENT DAMAGE:</b> 0	<b>DAMAGE CODE:</b>	
<b>RESULT VAPOR:</b> NO	<b>RESULT SEWER:</b> NO	

- Continued on next page -

# Environmental FirstSearch

## Site Detail Report

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

### HMIRS

**SEARCH ID:** 54      **DIST/DIR:** NON GC      **MAP ID:**

**NAME:** BHP PETROLEUM REFINING INC      **REV:** 3/15/05  
**ADDRESS:** 64 1551 KAMEHAMEHA HWY      **ID1:** 1996050639  
HONOLULU HI      **ID2:**  
**CONTACT:**      **STATUS:** HIGHWAY (FOR HIRE)  
**PHONE:**

<b>RESULT SPILL:</b>	YES	<b>RESULT FIRE:</b>	NO
<b>RESULT EXPLOSION:</b>	NO	<b>RESULT ENVIRONMENT:</b>	NO
<b>RESULT NONE:</b>	NO	<b>RESULT OTHER:</b>	NO
<b>RESULT OTHER DESC:</b>		<b>VEHICLE CARGO:</b>	YES
<b>VEHICLE VAN:</b>	NO	<b>VEHICLE FLAT:</b>	NO
<b>VEHICLE TANK CAR:</b>	NO	<b>VEHICLE RAIL CAR:</b>	NO
<b>VEHICLE TOFC:</b>	0	<b>VEHICLE AIRCRAFT:</b>	NO
<b>VEHICLE BARGE:</b>	NO	<b>VEHICLE SHIP:</b>	NO
<b>VEHICLE OTHER:</b>	NO	<b>VEHICLE OTHER DESC:</b>	

<b>TRANSPORT PHASE:</b>	263	<b>LAND USE:</b>	272
<b>COMMUNITY TYPE:</b>	283	<b>ACCIDENT OR DERAILED:</b>	NO
<b>ESTIMATED SPEED:</b>		<b>HIGHWAY TYPE:</b>	
<b>HIGHWAY LANES:</b>		<b>GENERAL CAUSE:</b>	10
<b>MISC INFO 1:</b>	100	<b>MISC INFO 2:</b>	100
<b>ATTACHMENTS:</b>	NO	<b>RECOMMENDATIONS:</b>	NO

**REPORTER NAME:** LEONARD A BEPPU  
**REPORTER TITLE:** TRUCKING SUPV  
**REPORTER PHONE:** 8085473722  
**REPORT DATE:** 5/10/1996

#### CONTAINER INFORMATION

**MULTIPLE CODE:** A  
**CONTAINER TYPE:** MC306 - TANK: CARGO TANKS

**MANUFACTURER:** **ID:** 16634  
PETERBILT  
UNKNOWN XX

<b>CONTAINER CAPACITY:</b>	3600 GAL	<b>CONTAINER CAP CODE:</b>	0
<b>NUMBER FAILED:</b>	1	<b>NUMBER FAILED CODE:</b>	0
<b>NUMBER IN SHIPMENT:</b>	1	<b>NUMBER IN SHIP CODE:</b>	0
<b>GAUGE OF CONTAINER:</b>		<b>TANK SERIAL NUMBER:</b>	1XPAL69XXN
<b>LABEL OR PLACARD:</b>	COMBUST	<b>REGISTRATION NUMBER:</b>	
<b>INSPECTION DATE:</b>		<b>EXEMPTION NUMBER:</b>	

<b>VEHICLE COLLISION:</b>	NO	<b>VEHICLE OVERTURN:</b>	NO
<b>OVERLOAD OR OVERFILL:</b>	NO	<b>LOOSE FITTING:</b>	YES
<b>DEFECTIVE FITTING:</b>	NO	<b>DROPPED:</b>	NO
<b>STRUCK OR RAMMED:</b>	NO	<b>IMPROPER LOADING:</b>	NO
<b>IMPROPER BLOCKING:</b>	NO	<b>CORROSION:</b>	NO
<b>METAL FATIGUE:</b>	NO	<b>FRICTION OR RUBBING:</b>	NO
<b>FIRE OR HEAT:</b>	NO	<b>FREEZING:</b>	NO
<b>VENTING:</b>	NO	<b>VANDALISM:</b>	NO

<b>RUPTURED:</b>	NO	<b>HOW FAILED OTHER:</b>	YES
<b>HOW FAILED OTH DESC:</b>	OTHER	<b>END FORWARD:</b>	NO
<b>END REAR:</b>	NO	<b>SIDE RIGHT:</b>	NO
<b>SIDE LEFT:</b>	NO	<b>TOP:</b>	NO
<b>BOTTOM:</b>	NO	<b>CENTER:</b>	NO

- Continued on next page -

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

**HMIRS**

**SEARCH ID:** 54

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** BHP PETROLEUM REFINING INC  
**ADDRESS:** 64 1551 KAMEHAMEHA HWY  
HONOLULU HI

**REV:** 3/15/05  
**ID1:** 1996050639  
**ID2:**  
**STATUS:** HIGHWAY (FOR HIRE)  
**PHONE:**

**CONTACT:**

<b>AREA OTHER:</b>	YES	<b>AREA OTHER DESC:</b>	NO RESPONSE
<b>PACKAGE MATERIAL:</b>	NO	<b>FITTING VALVE:</b>	NO
<b>CLOSURE:</b>	NO	<b>CHIME:</b>	NO
<b>WELD SEAM:</b>	NO	<b>HOSE PIPING:</b>	NO
<b>INNER LINING:</b>	NO	<b>WHAT FAILED OTHER:</b>	YES
<b>WHAT FAILED OTH DESC:</b>	NO RESPONSE		
<b>INCOMPATIBLE MATERIAL:</b>	NO	<b>CONTRIBUTING OTHER:</b>	NO
<b>CONTRIB OTHER DESC:</b>		<b>OTHER FREIGHT:</b>	NO
<b>FORKLIFT:</b>	NO	<b>NAIL PROTRUSION:</b>	NO
<b>OTHER VEHICLE:</b>	NO	<b>WATER:</b>	NO
<b>GROUND FLOOR RDWAY:</b>	NO	<b>ROADSIDE OBSTACLE:</b>	NO
<b>NO OBJECT:</b>	NO	<b>OBJECT OTHER:</b>	YES
<b>PUNCTURED:</b>	NO	<b>CRACKED:</b>	NO
<b>BURST INTER PRESSURE:</b>	NO	<b>RIPPED:</b>	NO
<b>CRUSHED:</b>	NO	<b>RUBBED OR ABRADED:</b>	NO

**REMARKS**

DID NOT CLOSE VALVE. WHEN OPEN CAP PRODUCT SPILLED OUT. DRIVER PRODUCT.



***Environmental FirstSearch  
Site Detail Report***

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

UST

<b>SEARCH ID:</b> 43	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>
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<b>NAME:</b> JOINT INTELLIGENCE CENTER, PACIFIC <b>ADDRESS:</b> MAKALAPA, TANK JPAC-3 BLDG 401 PEARL HARBOR HI 96860	<b>REV:</b> 08/01/05 <b>ID1:</b> 9-101850 <b>ID2:</b> <b>STATUS:</b> CURRENTLY IN USE <b>PHONE:</b>
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**CONTACT:**

<b>Tank ID Number:</b>	<i>M-JPAC-3</i>
<b>Tank Status Description:</b>	<i>Currently in Use</i>
<b>Tank Capacity:</b>	<i>8000</i>
<b>Substance Description:</b>	<i>Diesel</i>
<b>Construction Material:</b>	<i>Fiberglass Reinforced Plastic</i>
<b>Date Installed:</b>	<i>9/30/1990</i>
<b>Date Closed</b>	

<b>Owner Name:</b> 96860	<i>US NAVY - COMNAVREG - HI 517 RUSSELL AVE, SUITE 110 Pearl Harbor HI</i>
-----------------------------	--

LUST

<b>SEARCH ID:</b> 47	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>
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<b>NAME:</b> PEARL AUTO SERVICE and SUPPLY INC. <b>ADDRESS:</b> 98-064 KAMEHAMEHA HWY AIEA HI 96701	<b>REV:</b> 02/11/05 <b>ID1:</b> 9-200293 <b>ID2:</b> <b>STATUS:</b> <b>PHONE:</b>
---	--

**CONTACT:**

<b>Event ID Number:</b>	<i>930138</i>
<b>Facility ID Number:</b>	<i>9-200293</i>
<b>Status Date:</b>	<i>10/28/1999</i>
<b>Status:</b>	<i>LUST Cleanup Initiated: Petroleum</i>
<b>Project Officer</b>	<b>(b) (6)</b>

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

**FINDS**

**SEARCH ID:** 39                      **DIST/DIR:** NON GC                      **MAP ID:**

<b>NAME:</b> TONY HONDA PEARLRIDGE	<b>REV:</b>
<b>ADDRESS:</b> 98051 KAMEHAMEHA HWY	<b>ID1:</b> HID981638059
ALEA HI 96701	<b>ID2:</b>
<b>CONTACT:</b>	<b>STATUS:</b>
	<b>PHONE:</b>

DETAILS NOT AVAILABLE

**FINDS**

**SEARCH ID:** 37                      **DIST/DIR:** NON GC                      **MAP ID:**

<b>NAME:</b> NAVY MONTESSORI SCH	<b>REV:</b>
<b>ADDRESS:</b> BD 81, 54 MAKALAPA DR, MKL	<b>ID1:</b> HI0000321430
HORDLATHS HI 96818	<b>ID2:</b>
<b>CONTACT:</b>	<b>STATUS:</b>
	<b>PHONE:</b>

DETAILS NOT AVAILABLE

**UST**

**SEARCH ID:** 44                      **DIST/DIR:** NON GC                      **MAP ID:**

<b>NAME:</b> NAVAL WESTERN OCEANOGRAPHY CENTER	<b>REV:</b> 08/01/05
<b>ADDRESS:</b> BLDG 398 MAKALAPA CRATER	<b>ID1:</b> 9-102465
PEARL HARBOR HI 96860	<b>ID2:</b>
<b>CONTACT:</b>	<b>STATUS:</b> CURRENTLY IN USE
	<b>PHONE:</b>

<b>Tank ID Number:</b>	1
<b>Tank Status Description:</b>	Currently in Use
<b>Tank Capacity:</b>	2000
<b>Substance Description:</b>	Diesel
<b>Construction Material:</b>	Asphalt Coated or Bare Steel
<b>Date Installed:</b>	6/6/1987
<b>Date Closed:</b>	

<b>Owner Name:</b>	NAVAL PACIFIC METEOROLOGY and OCEANOGRAPHY/JTWC
	NAVPACMETOCCEN/JTWC , 425 LUAPELE RD Pearl Harbor HI 96860

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

**HISTSITES**

**SEARCH ID:** 53

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** WAR MEMORIAL NATATORIUM  
**ADDRESS:** KALAKAUA AVE.  
HONOLULU HI

**REV:** 11/15/05  
**ID1:** 80001283  
**ID2:**  
**STATUS:** STRUCTURE  
**PHONE:**

**CONTACT:**

**SITE INFORMATION:**

**CERTIFICATION:** LISTED IN THE NATIONAL REGISTER  
**DATE OF PRIMARY CERTIFICATION:** 1980-08-11  
**SIZE OF PROPERTY IN ACRES:** 53

**NUMBER OF CONTRIBUTING BUILDINGS:** 000000  
**NUMBER OF CONTRIBUTING SITES:** 000000  
**NUMBER OF CONTRIBUTING STRUCTURES:** 000001  
**NUMBER OF CONTRIBUTING OBJECTS:** 000000  
**NUMBER OF NON-CONTRIBUTING BUILDINGS:** 000000  
**NUMBER OF NON-CONTRIBUTING SITES:** 000000  
**NUMBER OF NON-CONTRIBUTING STRUCTURES:** 000000  
**NUMBER OF NON-CONTRIBUTING OBJECTS:** 000000

**OWNER TYPE:** STATE

**CURRENT FUNCTION:** RECREATION AND CULTURE

**HISTORIC FUNCTION:** SPORT FACILITY

**LEVEL OF SIGNIFICANCE:** STATE

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

**HISTSITES**

**SEARCH ID:** 52

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** BATTERY SELFRIDGE  
**ADDRESS:** FT. KAMEHAMEHA  
HONOLULU HI

**REV:** 11/15/05  
**ID1:** 84000975  
**ID2:**  
**STATUS:** BUILDING  
**PHONE:**

**CONTACT:**

**SITE INFORMATION:**

**CERTIFICATION:** LISTED IN THE NATIONAL REGISTER  
**DATE OF PRIMARY CERTIFICATION:** 1984-06-05  
**SIZE OF PROPERTY IN ACRES:** 16

**NUMBER OF CONTRIBUTING BUILDINGS:** 000001  
**NUMBER OF CONTRIBUTING SITES:** 000000  
**NUMBER OF CONTRIBUTING STRUCTURES:** 000000  
**NUMBER OF CONTRIBUTING OBJECTS:** 000000  
**NUMBER OF NON-CONTRIBUTING BUILDINGS:** 000000  
**NUMBER OF NON-CONTRIBUTING SITES:** 000000  
**NUMBER OF NON-CONTRIBUTING STRUCTURES:** 000000  
**NUMBER OF NON-CONTRIBUTING OBJECTS:** 000000

**OWNER TYPE:** FEDERAL

**CURRENT FUNCTION:** DEFENSE

**HISTORIC FUNCTION:** FORTIFICATION

**LEVEL OF SIGNIFICANCE:** STATE

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

**HISTSITES**

**SEARCH ID:** 51

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** BATTERY JACKSON  
**ADDRESS:** FT. KAMEHAMEHA  
HONOLULU HI

**REV:** 11/15/05  
**ID1:** 84000954  
**ID2:**  
**STATUS:** STRUCTURE  
**PHONE:**

**CONTACT:**

**SITE INFORMATION:**

**CERTIFICATION:** LISTED IN THE NATIONAL REGISTER  
**DATE OF PRIMARY CERTIFICATION:** 1984-06-05  
**SIZE OF PROPERTY IN ACRES:** 6

**NUMBER OF CONTRIBUTING BUILDINGS:** 000000  
**NUMBER OF CONTRIBUTING SITES:** 000000  
**NUMBER OF CONTRIBUTING STRUCTURES:** 000001  
**NUMBER OF CONTRIBUTING OBJECTS:** 000000  
**NUMBER OF NON-CONTRIBUTING BUILDINGS:** 000000  
**NUMBER OF NON-CONTRIBUTING SITES:** 000000  
**NUMBER OF NON-CONTRIBUTING STRUCTURES:** 000000  
**NUMBER OF NON-CONTRIBUTINGOBJECTS:** 000000

**OWNER TYPE:** FEDERAL

**CURRENT FUNCTION:** VACANT/NOT IN USE

**HISTORIC FUNCTION:** FORTIFICATION

**LEVEL OF SIGNIFICANCE:** STATE

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

**HISTSITES**

**SEARCH ID:** 50

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** BATTERY HAWKINS ANNEX  
**ADDRESS:** FT. KAMEHAMEHA  
HONOLULU HI

**REV:** 11/15/05  
**ID1:** 84000948  
**ID2:**  
**STATUS:** STRUCTURE  
**PHONE:**

**CONTACT:**

**SITE INFORMATION:**

**CERTIFICATION:** LISTED IN THE NATIONAL REGISTER  
**DATE OF PRIMARY CERTIFICATION:** 1984-06-05  
**SIZE OF PROPERTY IN ACRES:** 1

**NUMBER OF CONTRIBUTING BUILDINGS:** 000000  
**NUMBER OF CONTRIBUTING SITES:** 000000  
**NUMBER OF CONTRIBUTING STRUCTURES:** 000001  
**NUMBER OF CONTRIBUTING OBJECTS:** 000000  
**NUMBER OF NON-CONTRIBUTING BUILDINGS:** 000000  
**NUMBER OF NON-CONTRIBUTING SITES:** 000000  
**NUMBER OF NON-CONTRIBUTING STRUCTURES:** 000000  
**NUMBER OF NON-CONTRIBUTINGOBJECTS:** 000000

**OWNER TYPE:** FEDERAL

**CURRENT FUNCTION:** VACANT/NOT IN USE

**HISTORIC FUNCTION:** FORTIFICATION

**LEVEL OF SIGNIFICANCE:** STATE

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

**FINDS**

**SEARCH ID:** 38                      **DIST/DIR:** NON GC                      **MAP ID:**

<b>NAME:</b> HAWAIIAN ELECTRIC WAI'AU GEN STATION	<b>REV:</b>
<b>ADDRESS:</b> 559 KAMEHAMEHA HWY	<b>ID1:</b> HIT000610873
AIEA HI 96701	<b>ID2:</b>
<b>CONTACT:</b>	<b>STATUS:</b>
	<b>PHONE:</b>

DETAILS NOT AVAILABLE

**RCRANLR**

**SEARCH ID:** 32                      **DIST/DIR:** NON GC                      **MAP ID:**

<b>NAME:</b> TONY HONDA PEARLRIDGE	<b>REV:</b> 8/8/01
<b>ADDRESS:</b> 98051 KAMEHAMEHA HWY	<b>ID1:</b> HID981638059
AIEA HI 96701	<b>ID2:</b>
HONOLULU	<b>STATUS:</b> NLR
<b>CONTACT:</b>	<b>PHONE:</b>

**SITE INFORMATION**

**UNIVERSE NAME:**

NO LONGER REGULATED

**SIC INFORMATION:**

5511 - RETAIL TRADE - NEW AND USED CAR DEALERS  
5511 - RETAIL TRADE - NEW AND USED CAR DEALERS

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

CERCLIS

**SEARCH ID:** 26                      **DIST/DIR:** NON GC                      **MAP ID:**

<b>NAME:</b> PEARL HARBOR PWC MAKALAPA PESTICIDE PIT	<b>REV:</b> 1/13/06
<b>ADDRESS:</b> NAVAL PUBLIC WKS CTR MAKALAPA	<b>ID1:</b> HI0170090005
PEARL HARBOR HI 96860	<b>ID2:</b> 0902903
	<b>STATUS:</b> PART OF NPL
<b>CONTACT:</b> (b) (6)	<b>PHONE:</b> 4159723160

**DESCRIPTION:**

ACTION/QUALITY	AGENCY/RPS	START/RAA	END
DISCOVERY	Federal Facilities		08-01-1980
PRELIMINARY ASSESSMENT Addressed as part of an existing NPL site	Federal Facilities		04-01-1986
SITE INSPECTION Addressed as part of an existing NPL site	Federal Facilities		08-08-1990

RCRAGN

**SEARCH ID:** 29                      **DIST/DIR:** NON GC                      **MAP ID:**

<b>NAME:</b> CHEVRON 93970	<b>REV:</b> 12/10/05
<b>ADDRESS:</b> 98 121 KAMEHAMEHA HWY	<b>ID1:</b> HIR000136838
AIEA HI 96701	<b>ID2:</b>
HONOLULU	<b>STATUS:</b> VGN
<b>CONTACT:</b> (b) (6)	<b>PHONE:</b> 925-842-5931

DETAILS NOT AVAILABLE



***Environmental FirstSearch  
Site Detail Report***

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

**TOWERS**

<b>SEARCH ID:</b> 55	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>
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<b>NAME:</b> VOICESTREAM PCS III CORPORATION <b>ADDRESS:</b> 515 MAIN STREET, HICKMAN AIR FORCE BASE HONOLULU HI  <b>CONTACT:</b>	<b>REV:</b> 01/04/04 <b>ID1:</b> 1222202 <b>ID2:</b> <b>STATUS:</b> ASR <b>PHONE:</b>
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**ANTENNA STRUCTURE REGISTRATION**

The Antenna Structure Registration database contains antenna structures that generally are more than 60.96 meters(200 feet) in height or are located near an airport

<b>DATE ENTERED:</b>	8/22/2002
<b>DATE RECEIVED:</b>	8/22/2002
<b>DATE ISSUED:</b>	2/1/2001
<b>DATE CONSTRUCTED:</b>	08/15/2002
<b>DATE DISMANTLED:</b>	
<b>HEIGHT OF STRUCTURE:</b>	30.5
<b>GROUND ELEVATION:</b>	6.1
<b>OVERALL HEIGHT ABOVE GROUND:</b>	30.5
<b>OVERALL HEIGHT AMSL:</b>	36.6
<b>STRUCTURE TYPE:</b>	TOWER
<b>FAA STUDY NUMBER:</b>	00-AWP-3607-OE
<b>DATE OF FAA DETERMINATION:</b>	1/19/2001

# *Environmental FirstSearch*

## *Site Detail Report*

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

LUST				
SEARCH ID:	46	DIST/DIR:	NON GC	MAP ID:
NAME:	MCGREW POINT AREA	REV:	02/11/05	
ADDRESS:	MCGREW LOOP X KAMEHAMEHA HWY AIEA HI 96701	ID1:	9-102171	
		ID2:		
CONTACT:		STATUS:		
		PHONE:		
Event ID Number:	900019			
Facility ID Number:	9-102171			
Status Date:	8/6/1999			
Status:	Disconfirmed Release			
Project Officer	(b) (6)			

HISTSITES			
SEARCH ID:	DIST/DIR:	MAP ID:	
49	NON GC		
NAME:	BATTERY HASEBROUCK	REV:	11/15/05
ADDRESS:	FT. KAMEHAMEHA	ID1:	84000925
	HONOLULU HI	ID2:	
		STATUS:	BUILDING
CONTACT:		PHONE:	
SITE INFORMATION:			
CERTIFICATION:	LISTED IN THE NATIONAL REGISTER		
DATE OF PRIMARY CERTIFICATION:	1984-06-05		
SIZE OF PROPERTY IN ACRES:	22		
NUMBER OF CONTRIBUTING BUILDINGS:	000001		
NUMBER OF CONTRIBUTING SITES:	000000		
NUMBER OF CONTRIBUTING STRUCTURES:		000000	
NUMBER OF CONTRIBUTING OBJECTS:	000000		
NUMBER OF NON-CONTRIBUTING BUILDINGS:		000000	
NUMBER OF NON-CONTRIBUTING SITES:	000000		
NUMBER OF NON-CONTRIBUTING STRUCTURES:		000000	
NUMBER OF NON-CONTRIBUTING OBJECTS:		000000	
OWNER TYPE:	FEDERAL		
CURRENT FUNCTION:	VACANT/NOT IN USE		
HISTORIC FUNCTION:	FORTIFICATION		
LEVEL OF SIGNIFICANCE:	STATE		

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

**FINDS**

**SEARCH ID:** 40                      **DIST/DIR:** NON GC                      **MAP ID:**

<b>NAME:</b> USDOD FLEET AND INDUSTRIAL SUPPLY	<b>REV:</b>
<b>ADDRESS:</b> BLDG 229 MAKALAPA GATE	<b>ID1:</b> HI0002381796
PEARL HARBOR HI 96860	<b>ID2:</b>
<b>CONTACT:</b>	<b>STATUS:</b>
	<b>PHONE:</b>

DETAILS NOT AVAILABLE

**RCRAGN**

**SEARCH ID:** 31                      **DIST/DIR:** NON GC                      **MAP ID:**

<b>NAME:</b> NAVY PWC - MAKALAPA COMPOUND	<b>REV:</b> 12/10/05
<b>ADDRESS:</b> MAKALAPA COMPOUND	<b>ID1:</b> HI0170090005
PEARL HARBOR HI 96860	<b>ID2:</b>
<b>CONTACT:</b> (b) (6)	<b>STATUS:</b> LGN
	<b>PHONE:</b> 8084711171 212

**SITE INFORMATION**

**UNIVERSE TYPE:**

LQG - LARGE QUANTITY GENERATORS: GENERATES MORE THAN 1000 KG/MONTH OF HAZARDOUS WASTE

**SIC INFORMATION:**

9711 - PUBLIC ADMIN. - NATIONAL SECURITY  
9711 - PUBLIC ADMIN. - NATIONAL SECURITY  
9711 - PUBLIC ADMIN. - NATIONAL SECURITY  
9711 - PUBLIC ADMIN. - NATIONAL SECURITY

**ENFORCEMENT INFORMATION:**

<b>AGENCY:</b>	S - STATE	<b>DATE:</b>	19-JUN-98
<b>TYPE:</b>	120 - WRITTEN INFORMAL		

**VIOLATION INFORMATION:**

<b>VIOLATION NUMBER:</b>	0001	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	19-JUN-98	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>	262.10-12.A	<b>RESOLVED:</b>	
<b>TYPE:</b>	GER - GENERATOR ALL REQUIREMENTS		

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

NFRAP

<b>SEARCH ID:</b> 27	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>
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<b>NAME:</b> HAWAIIAN ELECTRIC CO WAI AU GEN STA <b>ADDRESS:</b> 559 KAMEHAMEHA HWY AIEA HI 96701 <b>CONTACT:</b> (b) (6)	<b>REV:</b> 1/13/06 <b>ID1:</b> HIT000610873 <b>ID2:</b> 0902897 <b>STATUS:</b> NFRAP-N <b>PHONE:</b> 4159723160
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**DESCRIPTION:**

ACTION/QUALITY	AGENCY/RPS	START/RAA	END
ARCHIVE SITE	EPA In-House		09-01-1984
DISCOVERY	EPA Fund-Financed		07-01-1980
PRELIMINARY ASSESSMENT Low	EPA Fund-Financed		11-01-1980
SITE INSPECTION NFRAP (No Further Remedial Action Planned)	EPA Fund-Financed		09-01-1984

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

RCRANLR

**SEARCH ID:** 33

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** WASTE MANAGEMENT OF HAWAII INC  
**ADDRESS:** 98 021 KAMEHAMEHA HWY  
AIEA HI 96701

**REV:** 12/10/05  
**ID1:** HID981619034  
**ID2:**  
**STATUS:** NLR  
**PHONE:** 8086820900

**CONTACT:** (b) (6)

**SITE INFORMATION**

**CONTACT INFORMATION:** (b) (6)  
GENERAL MNGR  
98 TWENTY FIRST KAMEHAMEHA HWY  
AIEA HI 96701

**PHONE:** 8086820900

**UNIVERSE TYPE:**

**SIC INFORMATION:**

4212 - TRANS. and UTILITIES - LOCAL TRUCKING, WITHOUT STORA  
7538 - SERVICES - GENERAL AUTOMOTIVE REPAIR SHOPS

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

RCRANLR

<b>SEARCH ID:</b> 34	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>
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<b>NAME:</b> USNAVY FLEET AND INDUSTRIAL SUPPLY CENTE <b>ADDRESS:</b> BLDG 229 MAKALAPA GATE PEARL HARBOR HI 96860	<b>REV:</b> 12/10/05 <b>ID1:</b> HI1170024342 <b>ID2:</b> <b>STATUS:</b> NLR <b>PHONE:</b> 8084711171
<b>CONTACT:</b> (b) (6)	

**SITE INFORMATION**

**CONTACT INFORMATION:** (b) (6)  
ENVIRO MANAGER  
NAVAL BASE PEARL HARBOR  
PEARL HARBOR HI 968605020

**PHONE:** 8084711171

**CONTACT INFORMATION:** ENVIRONMENTAL MANAGER  
ENVIRO MANAGER  
BLDG 229 MAKALAPA GATE  
PEARL HARBOR HI 968605300

**PHONE:**

**UNIVERSE TYPE:**

**SIC INFORMATION:**

9711 - PUBLIC ADMIN. - NATIONAL SECURITY  
5085 - WHOLESALE TRADE - INDUSTRIAL SUPPLIES  
9711 - PUBLIC ADMIN. - NATIONAL SECURITY

**ENFORCEMENT INFORMATION:**

<b>AGENCY:</b>	E - EPA	<b>DATE:</b>	28-JUL-87
<b>TYPE:</b>	120 - WRITTEN INFORMAL		

<b>AGENCY:</b>	S - STATE	<b>DATE:</b>	30-MAR-00
<b>TYPE:</b>	120 - WRITTEN INFORMAL		

**VIOLATION INFORMATION:**

<b>VIOLATION NUMBER:</b>	0001	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	24-MAR-86	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>	262.10-12.A	<b>RESOLVED:</b>	17-SEP-87
<b>TYPE:</b>	GER - GENERATOR ALL REQUIREMENTS		

<b>VIOLATION NUMBER:</b>	0002	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	18-JAN-00	<b>DETERMINED BY:</b>	S - STATE
<b>CITATION:</b>	279.50-59	<b>RESOLVED:</b>	
<b>TYPE:</b>	UOP		

<b>VIOLATION NUMBER:</b>	0003	<b>RESPONSIBLE:</b>	S - STATE
<b>DETERMINED:</b>	18-JAN-00	<b>DETERMINED BY:</b>	S - STATE

- Continued on next page -

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

RCRANLR

**SEARCH ID:** 34

**DIST/DIR:** NON GC

**MAP ID:**

**NAME:** USNAVY FLEET AND INDUSTRIAL SUPPLY CENTE  
**ADDRESS:** BLDG 229 MAKALAPA GATE  
PEARL HARBOR HI 96860

**REV:** 12/10/05  
**ID1:** HI1170024342  
**ID2:**  
**STATUS:** NLR  
**PHONE:** 8084711171

**CONTACT:** (b) (6)

**CITATION:** 279.10-12  
**TYPE:** UOR

**RESOLVED:**

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

RCRAGN

<b>SEARCH ID:</b> 28	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>
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<b>NAME:</b> MOANALUA TERRACE NAVAL HOUSING AREA <b>ADDRESS:</b> 2500 RADFORD DR HONOLULU HI 96818 HI003 <b>CONTACT:</b> (b) (6)	<b>REV:</b> 12/10/05 <b>ID1:</b> HIR000135699 <b>ID2:</b> <b>STATUS:</b> VGN <b>PHONE:</b> 808-927-7703
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DETAILS NOT AVAILABLE

RCRAGN

<b>SEARCH ID:</b> 30	<b>DIST/DIR:</b> NON GC	<b>MAP ID:</b>
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<b>NAME:</b> TONY HONDA PEARLRIDGE <b>ADDRESS:</b> 98051 KAMEHAMEHA HWY AIEA HI 96701 <b>CONTACT:</b>	<b>REV:</b> 12/10/05 <b>ID1:</b> HID981638059 <b>ID2:</b> <b>STATUS:</b> VGN <b>PHONE:</b>
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**SITE INFORMATION**

**UNIVERSE TYPE:**

CEG - CONDITIONALLY EXEMPT SMALL QUANTITY GENERATORS: GENERATES LESS THAN 100 KG/MONTH OF HAZARDOUS WASTE

**SIC INFORMATION:**

5511 - RETAIL TRADE - NEW AND USED CAR DEALERS  
5511 - RETAIL TRADE - NEW AND USED CAR DEALERS

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**



***Environmental FirstSearch  
Site Detail Report***

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

ERNS

**SEARCH ID:** 35                      **DIST/DIR:** NON GC                      **MAP ID:**

<b>NAME:</b> AIRCO <b>ADDRESS:</b> AIRCO 2305 KAMEHAMEHA HWY HONOLULU HI	<b>REV:</b> 12/18/90 0 <b>ID1:</b> 200825 <b>ID2:</b> <b>STATUS:</b> FIXED FACILITY <b>PHONE:</b>
<b>CONTACT:</b>	

**SPILL INFORMATION**

**DATE OF SPILL:** 12/18/1990                      **TIME OF SPILL:** 0000

**PRODUCT RELEASED (1):** AMMONIA, anhydrous  
**QUANTITY (1):** 0  
**UNITS (1):** UNK

**PRODUCT RELEASED (2):**  
**QUANTITY (2):**  
**UNITS (2):**

**PRODUCT RELEASED (3):**  
**QUANTITY (3):**  
**UNITS (3):**

**MEDIUM/MEDIA AFFECTED**

<b>AIR:</b> NO	<b>GROUNDWATER:</b> NO	
<b>LAND:</b> NO	<b>FIXED FACILITY:</b> NO	
<b>WATER:</b> NO	<b>OTHER:</b> YES	
<b>WATERBODY AFFECTED BY RELEASE:</b> UNKNOWN IF ANY MATERIAL HAS BEEN RELEASE		

**CAUSE OF RELEASE**

<b>DUMPING:</b> NO	<b>EQUIPMENT FAILURE:</b> NO	
<b>NATURAL PHENOMENON:</b> NO	<b>OPERATOR ERROR:</b> NO	
<b>OTHER CAUSE:</b> NO	<b>TRANSP. ACCIDENT:</b> NO	
<b>UNKNOWN:</b> NO		

**ACTIONS TAKEN:** DOING AN INVENTORY TO DETERMINE HOW MANY CYLINDERS ARE MISSING. COMPANY PERSONNEL ARE SEARCHING FOR MISSING CYLINDERS.

**RELEASE DETECTION:** SEVERAL 100 and 150 LBS EMPTY STORAGE CYLINDERS WERE WASHED AWAY TO THE OCEAN BY STORMWATER.

**MISC. NOTES:**

**DISCHARGER INFORMATION**

<b>DISCHARGER ID:</b> 200825	<b>DUN and BRADSTREET :</b>
<b>TYPE OF DISCHARGER:</b> PRIVATE ENTERPRISE	
<b>NAME OF DISCHARGER:</b> AIRCO	
<b>ADDRESS:</b> PO BOX 30707 2305 KAMEHAMEHA HWY HONOLULU HI 96820	

***Environmental FirstSearch  
Site Detail Report***

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

**FINDS**

**SEARCH ID:** 36                      **DIST/DIR:** NON GC                      **MAP ID:**

<b>NAME:</b> INTEGRATED MEDIA INC	<b>REV:</b>
<b>ADDRESS:</b> 2908 KAMEHAMEHA HWY STE 101 HONOLULU HI 96818	<b>ID1:</b> HI0000900670
	<b>ID2:</b>
<b>CONTACT:</b>	<b>STATUS:</b>
	<b>PHONE:</b>

DETAILS NOT AVAILABLE

**LUST**

**SEARCH ID:** 45                      **DIST/DIR:** NON GC                      **MAP ID:**

<b>NAME:</b> CUTTER FORD INC.	<b>REV:</b> 02/11/05
<b>ADDRESS:</b> 98-015 KAMEHAMEHA HWY AIEA HI 96701	<b>ID1:</b> 9-200188
	<b>ID2:</b>
<b>CONTACT:</b>	<b>STATUS:</b>
	<b>PHONE:</b>

<b>Event ID Number:</b>	920190
<b>Facility ID Number:</b>	9-200188
<b>Status Date:</b>	11/5/1993
<b>Status:</b>	Site Cleanup Completed
<b>Project Officer</b>	(b)

<b>Event ID Number:</b>	970104
<b>Facility ID Number:</b>	9-200188
<b>Status Date:</b>	9/24/1998
<b>Status:</b>	Site Cleanup Completed
<b>Project Officer</b>	(b)

## Environmental FirstSearch Descriptions

**NPL: EPA NATIONAL PRIORITY LIST** - The National Priorities List is a list of the worst hazardous waste sites that have been identified by Superfund. Sites are only put on the list after they have been scored using the Hazard Ranking System (HRS), and have been subjected to public comment. Any site on the NPL is eligible for cleanup using Superfund Trust money.

A Superfund site is any land in the United States that has been contaminated by hazardous waste and identified by the Environmental Protection Agency (EPA) as a candidate for cleanup because it poses a risk to human health and/or the environment.

FINAL - Currently on the Final NPL

PROPOSED - Proposed for NPL

**CERCLIS: EPA COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY INFORMATION SYSTEM (CERCLIS)**- CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL.

PART OF NPL- Site is part of NPL site

DELETED - Deleted from the Final NPL

FINAL - Currently on the Final NPL

NOT PROPOSED - Not on the NPL

NOT VALID - Not Valid Site or Incident

PROPOSED - Proposed for NPL

REMOVED - Removed from Proposed NPL

SCAN PLAN - Pre-proposal Site

WITHDRAWN - Withdrawn

**NFRAP: EPA COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY INFORMATION SYSTEM ARCHIVED SITES** - database of Archive designated CERCLA sites that, to the best of EPA's knowledge, assessment has been completed and has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

NFRAP – No Further Remedial Action Plan

P - Site is part of NPL site

D - Deleted from the Final NPL

F - Currently on the Final NPL

N - Not on the NPL

O - Not Valid Site or Incident

P - Proposed for NPL

R - Removed from Proposed NPL

S - Pre-proposal Site

W – Withdrawn

**RCRA COR ACT: EPA RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM SITES** - Database of hazardous waste information contained in the Resource Conservation and Recovery Act Information (RCRAInfo), a national program management and inventory system about hazardous waste handlers. In general, all generators, transporters, treaters, storers, and disposers of hazardous waste are required to provide information about their activities to state environmental agencies. These agencies, in turn pass on the information to regional and national EPA offices. This regulation is governed by the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984.

RCRAInfo facilities that have reported violations and subject to corrective actions.

**RCRA TSD: EPA RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM TREATMENT, STORAGE, and DISPOSAL FACILITIES.** - Database of hazardous waste information contained in the Resource Conservation and Recovery Act Information (RCRAInfo), a national program management and inventory system about hazardous waste handlers. In general, all generators, transporters, treaters, storers, and disposers of hazardous waste are required to provide information about their activities to state environmental agencies. These agencies, in turn pass on the information to regional and national EPA offices. This regulation is governed by the Resource Conservation and Recovery Act (RCRA), as amended by

the Hazardous and Solid Waste Amendments of 1984.  
Facilities that treat, store, dispose, or incinerate hazardous waste.

**RCRA GEN: EPA** RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM GENERATORS - Database of hazardous waste information contained in the Resource Conservation and Recovery Act Information (RCRAInfo), a national program management and inventory system about hazardous waste handlers. In general, all generators, transporters, treaters, storers, and disposers of hazardous waste are required to provide information about their activities to state environmental agencies. These agencies, in turn pass on the information to regional and national EPA offices. This regulation is governed by the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984. Facilities that generate or transport hazardous waste or meet other RCRA requirements.

LGN - Large Quantity Generators

SGN - Small Quantity Generators

VGN – Conditionally Exempt Generator.

Included are RAATS (RCRA Administrative Action Tracking System) and CMEL (Compliance Monitoring & Enforcement List) facilities.

**RCRA NLR: EPA** RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM SITES - Database of hazardous waste information contained in the Resource Conservation and Recovery Act Information (RCRAInfo), a national program management and inventory system about hazardous waste handlers. In general, all generators, transporters, treaters, storers, and disposers of hazardous waste are required to provide information about their activities to state environmental agencies. These agencies, in turn pass on the information to regional and national EPA offices. This regulation is governed by the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984.

Facilities not currently classified by the EPA but are still included in the RCRAInfo database. Reasons for non classification:

Failure to report in a timely matter.

No longer in business.

No longer in business at the listed address.

No longer generating hazardous waste materials in quantities which require reporting.

**ERNS: EPA/NRC** EMERGENCY RESPONSE NOTIFICATION SYSTEM (ERNS) - Database of incidents reported to the National Response Center. These incidents include chemical spills, accidents involving chemicals (such as fires or explosions), oil spills, transportation accidents that involve oil or chemicals, releases of radioactive materials, sightings of oil sheens on bodies of water, terrorist incidents involving chemicals, incidents where illegally dumped chemicals have been found, and drills intended to prepare responders to handle these kinds of incidents. Data since January 2001 has been received from the National Response System database as the EPA no longer maintains this data.

**State/Tribal LUST: HI DOH** LEAKING UNDERGROUND STORAGE TANKS-The Hawaii Department of Health's inventory of sites with leaking underground storage tanks.

**State/Tribal Sites: HI DOH** STATE RESPONSE LISTING-The Hawaii Department of Health's Office of Hazard Evaluation and Emergency Response (HEER) inventory of facilities, sites, or areas in which HEER has an interest, has investigated, or may investigate under HRS 128D (includes CERCLIS sites).

**State/Tribal Brownfields: HI DOH** STATE BROWNFIELDS LISTING-The Hawaii Department of Health's Office of Hazard Evaluation and Emergency Response (HEER) inventory of brownfields sites.

**State/Tribal UST/AST: HI DOH** UNDERGROUND STORAGE TANKS- The Hawaii Department of Health's inventory of underground storage tanks.

**State ACEC: USFWS** US FISH AND WILDLIFE CONTACT INFORMATION - database of contact information for the US Fish and Wildlife Service loaded by zipcode.

**Wetlands: US FWS** NATIONAL WETLANDS INVENTORY (NWI) - database of information on the characteristics, extent, and status of the Nation's wetlands and deepwater habitats. This data is available for select areas of the United States.

**Floodplains: FEMA** FLOODPLAINS – database of 100 year and 500 year flood zone boundaries for select counties in the United States

**Receptors: US DOC** SENSITIVE RECEPTORS - 2005 Census Bureau's TIGER (Topologically Integrated Geographic Encoding and Referencing System) database of schools and hospitals. List of schools and hospitals that may house individuals deemed sensitive to environmental discharges due to their fragile immune systems.

**Historic Landmarks: NPS** NATIONAL REGISTRY OF HISTORIC PLACES DATABASE - The nation's official list of cultural resources worthy of preservation. Properties listed include districts, sites, buildings, structures, and objects that are significant in American history, architecture, archeology, engineering, and culture.

**Federal Land Use: USGS/EPA/FWS** FEDERAL LANDS OF THE UNITED STATES - Database of lands owned or administered by the Federal Government, including the Bureau of Land Management, the Bureau of Reclamation, the U.S. Department of Agriculture Forest Service, the Department of Defense, the U.S. Fish and Wildlife Service, the National Park Service, the Tennessee Valley Authority, and other agencies. Only areas of 640 acres or more are included. Descriptive information includes the name and type of the Federal land and the administering agency.

ENDANGERED SPECIES PROTECTION PROGRAM DATABASE – List of the Endangered Species by county and the species status./n NATIONAL WILDLIFE REGUGE DATA - database of boundaries for National Wildlife Refuges, National Fish Hatcheries, and USFWS administrative sites. Contains information regarding refuge name and contact information.

**Federal Wells: USGS** UNITED STATES GROUND-WATER SITES INVENTORY - Database of more than 850,000 records of wells, springs, test holes, tunnels, drains, and excavations in the United States.

**FAA/FTC Towers: FAA/FCC** Tower - database encompasses three sources of information from the Federal Aviation Administration and the Federal Communications Commission. FAA data includes the Digital Obstacle File which contains obstruction data for man made objects that affect domestic aeronautical charting products. FCC data includes the Wireless Telecommunication Bureau's Universal Licensing System which contains the Antenna Structure Database and the Cellular Tower Database. FCC data also includes the Mass Media Bureau's Consolidated Database System which includes engineering data for AM, FM, and Television broadcasting stations.

**USGS Soils: USGS/NRCS** NATIONAL SOILS DATABASE - Database comprised of the State Soil Geographic (STATSGO) data for the conterminous United States, Soil Survey Geographic (SSURGO) and Digital Data Series Bedrock data. These databases contain information regarding soil characteristics such as water capacity, percent clay, organic material, permeability, thickness of layers, hydrological characteristics, quality of drainage, surface, slope, liquid limit, and the annual frequency of flooding.

**NPDES: EPA** THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM - Database of permitted facilities receiving and discharging effluents to and from a natural source where treatment of the effluent is monitored.

**FINDS: EPA** FACILITY INDEX SYSTEM(FINDS)/FACILITY REGISTRY SYSTEM(FRS) - The index of identification numbers associated with a property or facility which the EPA has investigated or has been made aware of in conjunction with various regulatory programs. Each record indicates the EPA office that may have files on the site or facility. A Facility Registry System site has an FRS in the status field.

**TRIS: EPA** TOXIC RELEASE INVENTORY SYSTEM (TRIS)– Database that contains information on toxic chemical releases and other waste management activities reported annually by certain covered industry groups as well as federal facilities. This inventory was established under the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA) and expanded by the Pollution Prevention Act of 1990.

**HMIRS: US DOT** HAZARDOUS MATERIALS INCIDENT RESPONSE SYSTEM - Database of information regarding materials, packaging, and a description of events for tracked incidents.

**NCDB: EPA** NATIONAL COMPLIANCE DATA BASE SYSTEM - Database of regional compliance and enforcement activity and manages the Pesticides and Toxic Substances Compliance and Enforcement program at a national level. The system tracks all compliance monitoring and enforcement activities from the time an inspector conducts and inspection until the time the inspector closes or the case settles the enforcement action. NCDB is the national repository of the 10 regional and Headquarters FIFRA/TSCA Tracking System (FTTS). Data collected in the regional FTTS is transferred to NCDB to support the need for monitoring national performance of regional programs.

**PADS:** *EPA* DATABASE OF PCB HANDLERS - Database of PolyChlorinatedBiPhenol generators, transporters, storers and/or disposers that are required to register with the EPA. This database indicates the type of handler and registration number. Also included is the PCB Transformer Registration Database.

**RADON:** *NTIS* NATIONAL RADON DATABASE - EPA radon data from 1990-1991 national radon project collected for a variety of zip codes across the United States.

**Nuclear Permits:** *EPA/NRC* PERMITTED NUCLEAR FACILITIES - This database is a comprehensive listing of all facilities which have been issued permits for the handling of radioactive materials, in addition it also contains a complete listing of all licensed and active nuclear power plants located within the United States.  
THE RADINFO DATABASE - Database of basic information about facilities that are permitted and regulated for their use and handling of radioactive materials.

## Environmental FirstSearch Database Sources

**NPL: EPA** Environmental Protection Agency

*Updated quarterly*

**CERCLIS: EPA** Environmental Protection Agency

*Updated quarterly*

**NFRAP: EPA** Environmental Protection Agency.

*Updated quarterly*

**RCRA COR ACT: EPA** Environmental Protection Agency.

*Updated quarterly*

**RCRA TSD: EPA** Environmental Protection Agency.

*Updated quarterly*

**RCRA GEN: EPA** Environmental Protection Agency.

*Updated quarterly*

**RCRA NLR: EPA** Environmental Protection Agency

*Updated quarterly*

**ERNS: EPA/NRC** Environmental Protection Agency

*Updated semi-annually*

**State/Tribal LUST: HI DOH** The Hawaii Department of Health, Solid and Hazardous Waste Branch

*Updated biannually*

**State/Tribal Sites: HI DOH** Office of Hazard Evaluation and Emergency Response, Hawaii State Department of Health

*Updated biannually*

**State/Tribal Brownfields: HI DOH** Office of Hazard Evaluation and Emergency Response, Hawaii State Department of Health

*Updated biannually*

**State/Tribal UST/AST:** *HI DOH* The Hawaii Department of Health, Solid and Hazardous Waste Branch

*Updated biannually*

**State ACEC:** *USFWS* United States Fish and Wildlife Services

*Updated semi-annually*

**Wetlands:** *US FWS* U.S. Fish and Wildlife Service

*Updated when available*

**Floodplains:** *FEMA* Federal Emergency Management Agency

*Updated when available*

**Receptors:** *US DOC* US Department of Commerce, Census Bureau

*Updated periodically*

**Historic Landmarks:** *NPS* National Park Service

*Updated annually*

**Federal Land Use:** *USGS/EPA/FWS* U.S. Geological Survey  
Environmental Protection Agency

*Updated annually*

**Federal Wells:** *USGS* United States Geographical Survey.

*Updated annually*

**FAA/FTC Towers:** *FAA/FCC* Federal Aviation Administration

*Updated*

**USGS Soils:** *USGS/NRCS* United States Geographical Survey

*Updated annually*

**NPDES:** *EPA* Environmental Protection Agency

*Updated quarterly*

**FINDS:** *EPA* Environmental Protection Agency

*Updated annually*



**TRIS:** *EPA* Environmental Protection Agency.

*Updated quarterly*

**HMIRS:** *US DOT* US Department of Transportation

*Updated quarterly*

**NCDB:** *EPA* Environmental Protection Agency

*Updated quarterly*

**PADS:** *EPA* Environmental Protection Agency

*Updated quarterly*

**RADON:** *NTIS* Environmental Protection Agency, National Technical Information Services

*Updated periodically*

**Nuclear Permits:** *EPA/NRC* Nuclear Regulatory Commission

*Updated periodically*

***Environmental FirstSearch***  
***Street Name Report for Streets within .25 Mile(s) of Target Property***

**Target Property:** MAKALAPA NAVAL FAMILY HOUSING  
HONOLULU HI 96818

**JOB:** 904283

Street Name	Dist/Dir	Street Name	Dist/Dir
Abele St	0.22 SW	Malaai St	0.13 SE
Arizona St	0.13 NW	Midway Dr	0.00 --
Astoria St	0.24 NW	Neches St	0.16 NW
Betio Pl	0.00 --	Neosho St	0.24 NW
Bole St	0.20 SW	NOCOVERAGE	0.02 NE
Bougainville Dr	0.09 SE	North Rd	0.19 SW
C Ave	0.19 SW	Ohaiula Pl	0.19 NE
Downes St	0.15 SW	Ohokani Loop	0.16 NE
E 1st St	0.19 SW	Ohiakea St	0.12 NW
E 2nd St	0.24 SW	Ohiaku Pl	0.13 NE
EAST 1st St	0.19 SW	Ohiaku St	0.12 NW
EAST 2nd St	0.24 SW	Oklahoma St	0.18 NW
Edge St	0.19 SW	Opukea St	0.25 NE
Fleet Pl	0.05 NW	Palmyra Dr	0.08 SE
Halawa Dr	0.00 --	Pierce St	0.20 SW
I-H-1	0.01 SE	Quincy St	0.24 NW
Kalaloa St	0.20 NW	Radford Dr	0.00 --
Kamakani Pl	0.00 --	Samoa Pl	0.00 --
Kamehameha Hwy	0.00 --	San Juan St	0.21 NW
Kohomua St	0.23 NE	Shane St	0.19 SW
Kuahua Ave	0.25 SW	Tarawa Dr	0.08 SE
Lawehana St	0.10 SE	Ulihi Rd	0.00 --
Luapele Dr	0.01 NE	Ulithi St	0.01 NE
Main St	0.18 SW	Utah St	0.16 NW
Makalapa Dr	0.00 --		
Makin Pl	0.00 --		



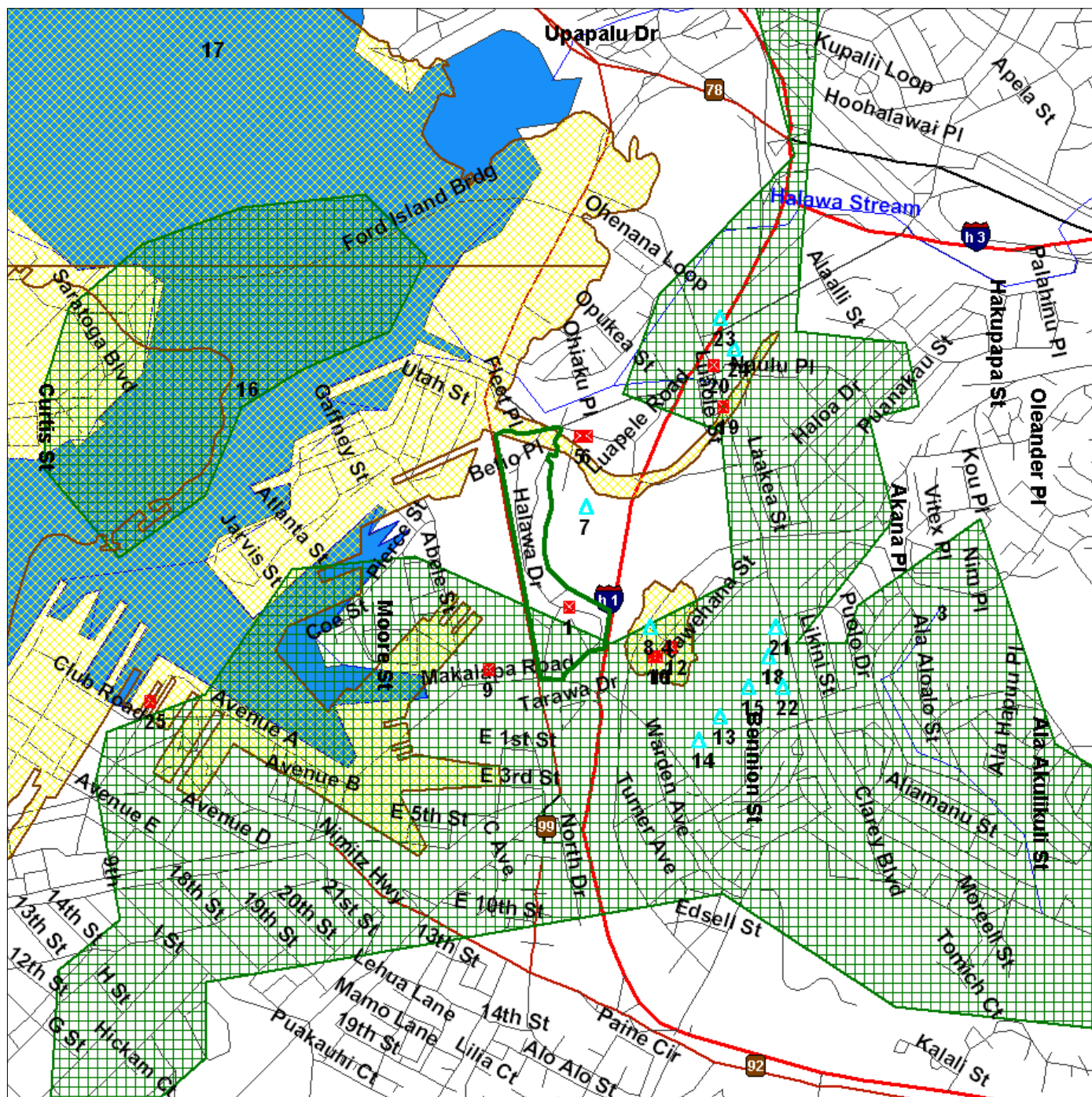
# Environmental FirstSearch

1 Mile Radius from Area

Single Map:



## MAKALAPA NAVAL FAMILY HOUSING, HONOLULU HI 96818

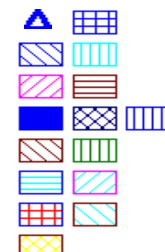


Source: U.S. Census TIGER Files

Area Polygon	
Identified Site, Multiple Sites, Receptor	
NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste	
Triballand	
National Historic Sites and Landmark Sites	
Soil Sites	
Railroads	



Public Water Supply, Zone II, Zone A, Interim Wellhead Protection Areas	
Potentially Productive Aquifers: High Yield (GAA), Medium Yield (GA)	
Non-Potential Drinking Source: High Yield (GB), Medium Yield (GC)...	
Water Bodies, Sole Source Aquifer	
Area of Critical Environmental Concern (ACEC), Protected Open Spaces	
Estimated Habitats of Rare Wetlands Wildlife, Vernal Pool	
Floodplains: 100 Year, 500 Year	
Wetlands	



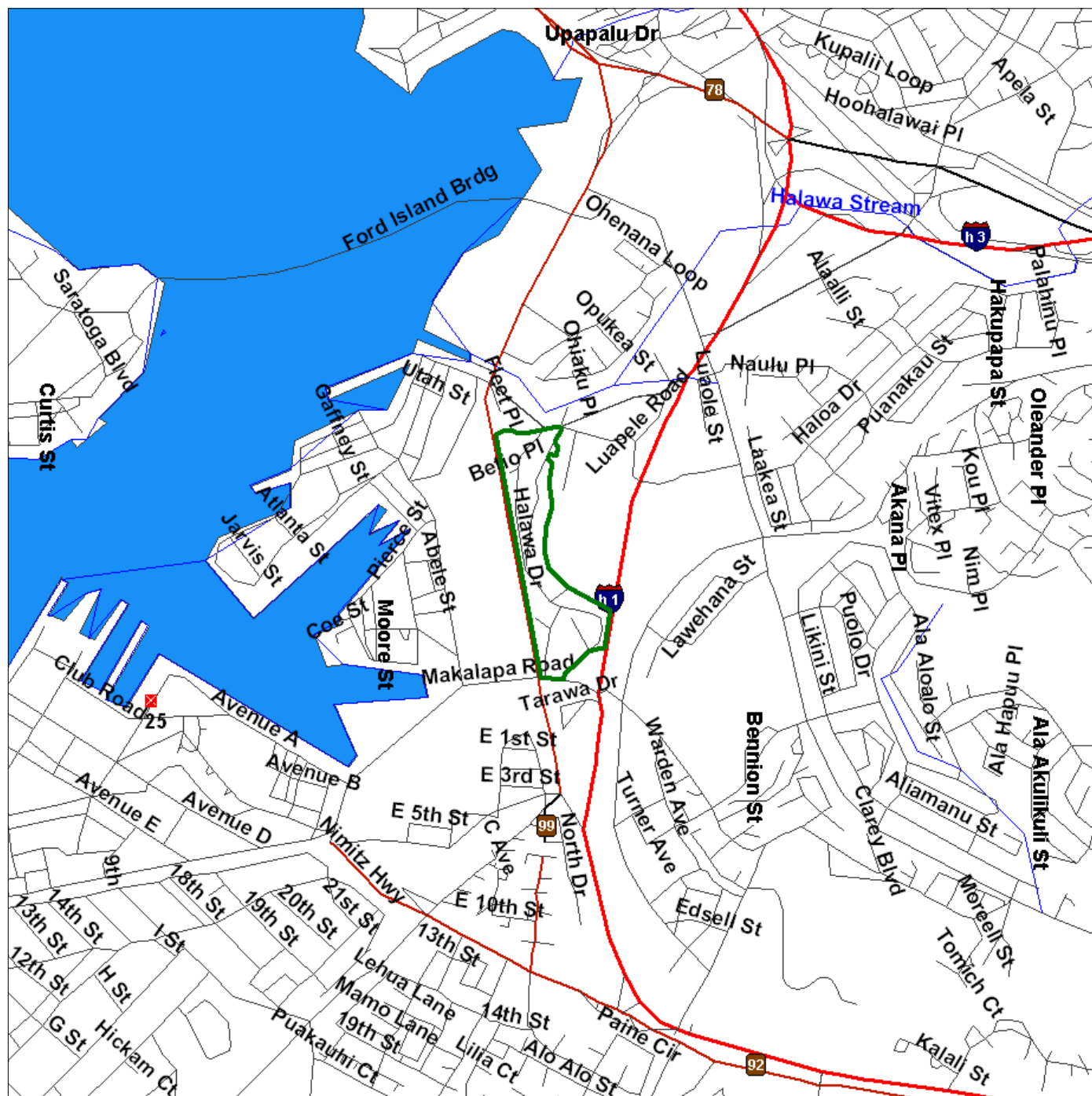


# Environmental FirstSearch

1 Mile Radius from Area  
ASTM: NPL, RCRACOR, STATE



## MAKALAPA NAVAL FAMILY HOUSING, HONOLULU HI 96818



Source: U.S. Census TIGER Files

Area Polygon .....  
Identified Site, Multiple Sites, Receptor .....  
NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste  
Triballand.....  
National Historic Sites and Landmark Sites .....  
Soil Sites .....  
Railroads .....



Public Water Supply, Zone II, Zone A, Interim Wellhead Protection Areas  
Potentially Productive Aquifers: High Yield (GAA), Medium Yield (GA)  
Non-Potential Drinking Source: High Yield (GB), Medium Yield (GC)...  
Water Bodies, Sole Source Aquifer .....  
Area of Critical Environmental Concern (ACEC), Protected Open Spaces  
Estimated Habitats of Rare Wetlands Wildlife, Vernal Pool .....  
Floodplains: 100 Year, 500 Year .....  
Wetlands .....

